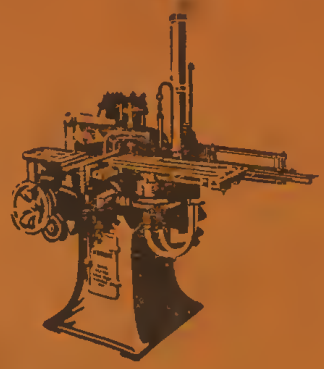
Detail Plates

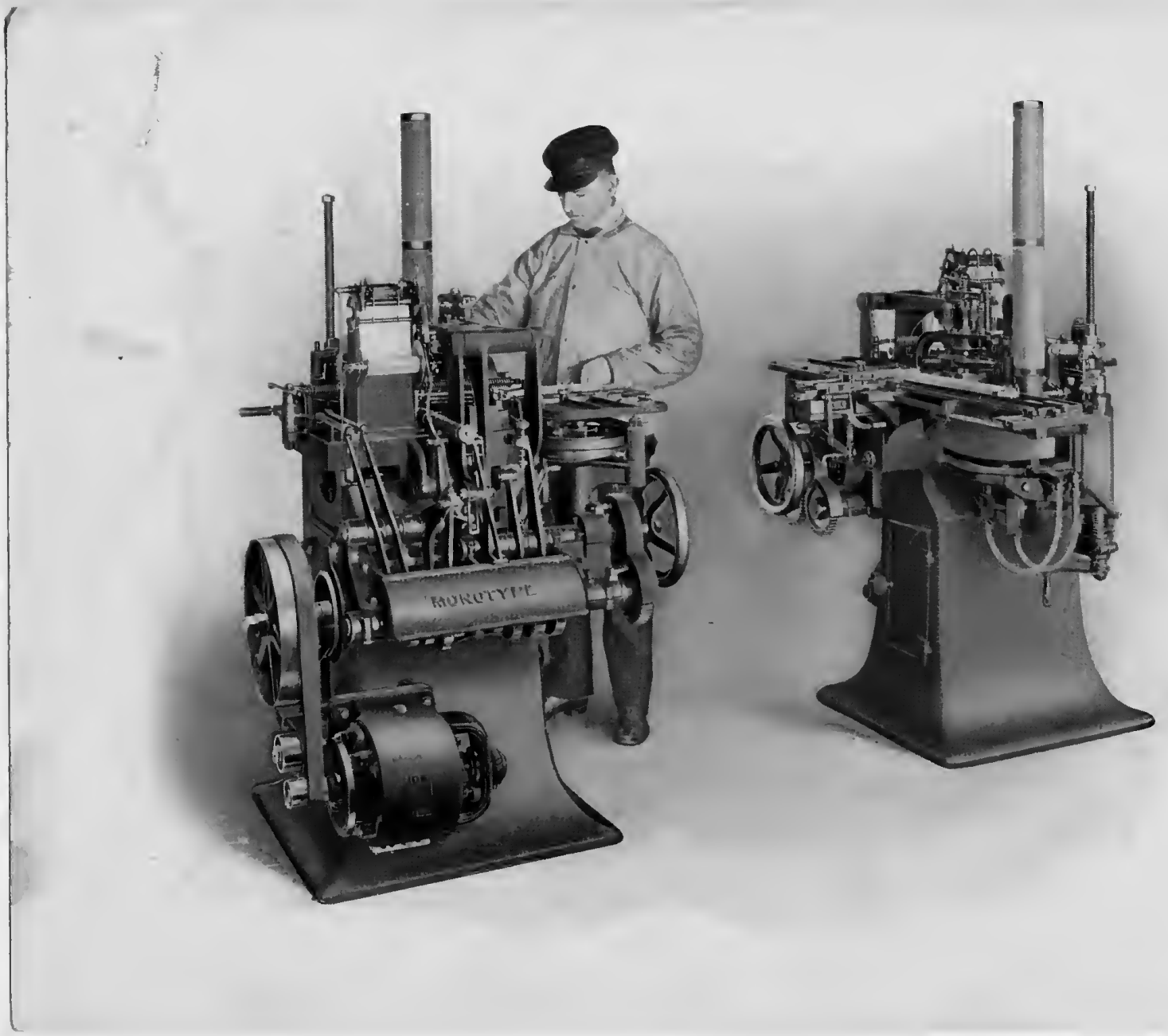
The Monotype Casting Machine

Illustrations of the Parts of the Monotype Casting Machine with their Names and Symbols



Lanston Monotype Machine Company
Philadelphia, Pa.

THE MONOTYPE CASTING MACHINE


MONOTYPE

DETAIL PLATES

The Monotype Casting Machine

Illustrations of the Parts of the Monotype Casting Machine with their Names and Symbols

1928

LANSTON MONOTYPE MACHINE COMPANY
Philadelphia, Pa.

ELEVENTH EDITION
MACHINES 1603 TO 9650 INCLUSIVE

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LANSTON MONOTYPE MACHINE COMPANY

FOREWORD

In which the advantages of ordering the parts wanted are emphasized

WE are keenly alive to the importance of promptly and accurately filling the orders of busy printers for supplies and repair parts, and to accomplish this we have spared no efforts to devise a system of symboling the parts of the different series of CASTING MACHINES and illustrating these parts.

To fill your orders properly we must co-operate. The time you spend in correctly writing your order may save you days delay.

In ordering repair parts for the CASTING MACHINE always give the serial number of the machine (this is stamped on the name plate attached to the PAPER TOWER, see Plate G3), the name of the piece and its symbol. Be particular in giving the symbol of a part not to omit the lower case letter prefixed to the symbol; this is as important as the symbol itself.

From time to time we make improvements in the CASTING MACHINE. It is a cardinal principle with us that all improvements are made in such form that they may be applied to any machine. Most of our customers appreciate the advantage of keeping their machines up to date and have applied these improvements. Many of our earliest machines are as up to date as the last machine to leave our factory. The serial number is, therefore, not enough to fill your order accurately—we must have the correct symbol.

We have not attempted to illustrate the various modifications of the same piece on different series of machines. Where pieces on certain machines differ from the pieces as illustrated and symboled on the plates, this is taken care of by imprints on or facing the plates bearing the illustration. Always use the correct symbol for your machine and check this by reference to your Casting Machine Price List. We have not listed in this plate book parts special to machines prior to No. 1603; for these consult the Casting Machine Price List.

In some instances we serve your interests better, in filling your order, by furnishing you with the improved part and the necessary parts to apply it, instead of filling your order for an obsolete part, when a very slight additional cost would bring this portion of your machine up to date. In such instances we send you full directions for applying the new parts. You should note on the proper plate in this book the symbols of these improved pieces with which your machine will be equipped by this alteration.

To obtain the necessary accuracy in some few instances it is necessary to furnish two or more pieces together. In such cases we furnish all of this group of pieces when any one is ordered. For details of these combinations see our price-list.

The importance we attach to your smallest order is shown by the thought and work we have put on this book. Coöperate with us and use it.

"Accuracy in Language Promotes Accuracy in Business."—*Towne.*

PLATE A1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 4085 to 4102 inclusive, 4109 and following are equipped with the following parts:

BRIDGE a1A
stud b1A11
" cotter a1A12

Machines prior to 2821 were equipped with the following parts:

BRIDGE bushing adjusting screw (front) 1A8
" " " (rear) 1A9

Machines 2821 and following are equipped with the following part:

BRIDGE bushing adjusting screw (front and rear) (2) 1A9
One of these replaces 1A8.

Machines 503 to 4007 inclusive were equipped with the following part:

BRIDGE LEVER a2A

Machines 4008 and following are equipped with the following part:

BRIDGE LEVER b2A
bushing (2) a2A7

For all machines order:

BRIDGE-LEVER-LINK PIN a3A
spring a3A1

Machines 504 to 2202 inclusive were equipped with the following parts:

CENTERING PIN a5A
adjusting nut 5A1
" " lock nut 5A2
spring a5A3
" abutment (lower) a5A4
" (upper) a5A5

Machines 503 and following having the Display Type Attachment but not the Low Quad Attachment are equipped with the following parts:

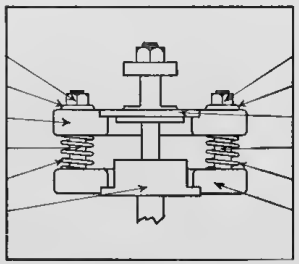
CENTERING-PIN ABUTMENT (lower) a5A4
(upper) a5A5

Machines 503 to 2900 inclusive were equipped with the following parts:

CENTERING-PIN STAND 6A
busbing a6A5

Machines 2901 and following are equipped with the following parts:

CENTERING-PIN STAND a6A
bushing b6A5
nut. a6A22



CENTERING-PIN SPRING abutment stud nut (2) 36A5
CENTERING-PIN SPRING abutment stud washer (2) 36A6
CENTERING-PIN SPRING abutment (upper) a36A3
CENTERING-PIN SPRING abutment stud (2) 36A4
CENTERING-PIN SPRING 36A1
CENTERING-PIN ABUTMENT (lower) a5A4

36A5 CENTERING-PIN SPRING abutment stud nut (2)
36A6 CENTERING-PIN SPRING abutment stud washer (2)
a5A5 CENTERING-PIN ABUTMENT (upper)
36A4 CENTERING-PIN SPRING abutment stud (2)
36A1 CENTERING-PIN SPRING (2)
a36A2 CENTERING-PIN SPRING abutment (lower)

Machines prior to 2553 were equipped with the following part:

CENTERING-PIN STAND adj. screw (right and left) (2) 6A1

Machines 2554 to 2820 inclusive were equipped with the following parts:

CENTERING-PIN STAND adj screw (right) 6A1
" " " (left) a6A9

Machines 2821 to 4108 (except 4085 to 4102 inclusive) were equipped with the following parts:

CENTERING-PIN STAND adj screw (right) 6A1
spring plunger (left) b6A9

Machines prior to 2820 were equipped with the following part:

CENTERING-PIN STAND adj screw (front and rear) (2) 6A2

Machines 2821 to 4108 (except 4085 to 4102 inclusive) were equipped with the following parts:

CENTERING-PIN STAND adj screw (front) 6A2
spring plunger (rear). a6A10

Machines 2821 to 2930 inclusive were equipped with the following parts:

CENTERING-PIN-STAND-SPRING-PLUNGER-LEVER STAND a6A20
screw (3) a6A21

Later machines had this stand cast as a part of the Bridge

Machines 505 to 4897 inclusive were equipped with the following parts:

SLIDING FRAME a9A
draw rod clamp screw a9A3

Machines 4898 and following are equipped with the following parts:

SLIDING FRAME b9A
draw rod clamp screw b9A3

Machines 4085 to 4102 inclusive, 4109 and following are equipped with the following parts:

CENTERING-PIN MICROMETER SCREW (2) 33A1
differential screw (right) 33A2
" " bell crank a33A3
" " " plunger. 33A4
" " " " stud a33A5
" " (left) 33A6
" " key screw (2). 33A7
plunger (2) 33A8
" spring 33A9
CENTERING-PIN ALIGNING LEVER (left) 35A1
plunger. 35A2
stud 35A3
" nut 35A4
(rear) 35A5
plunger 35A6
spring 35A7

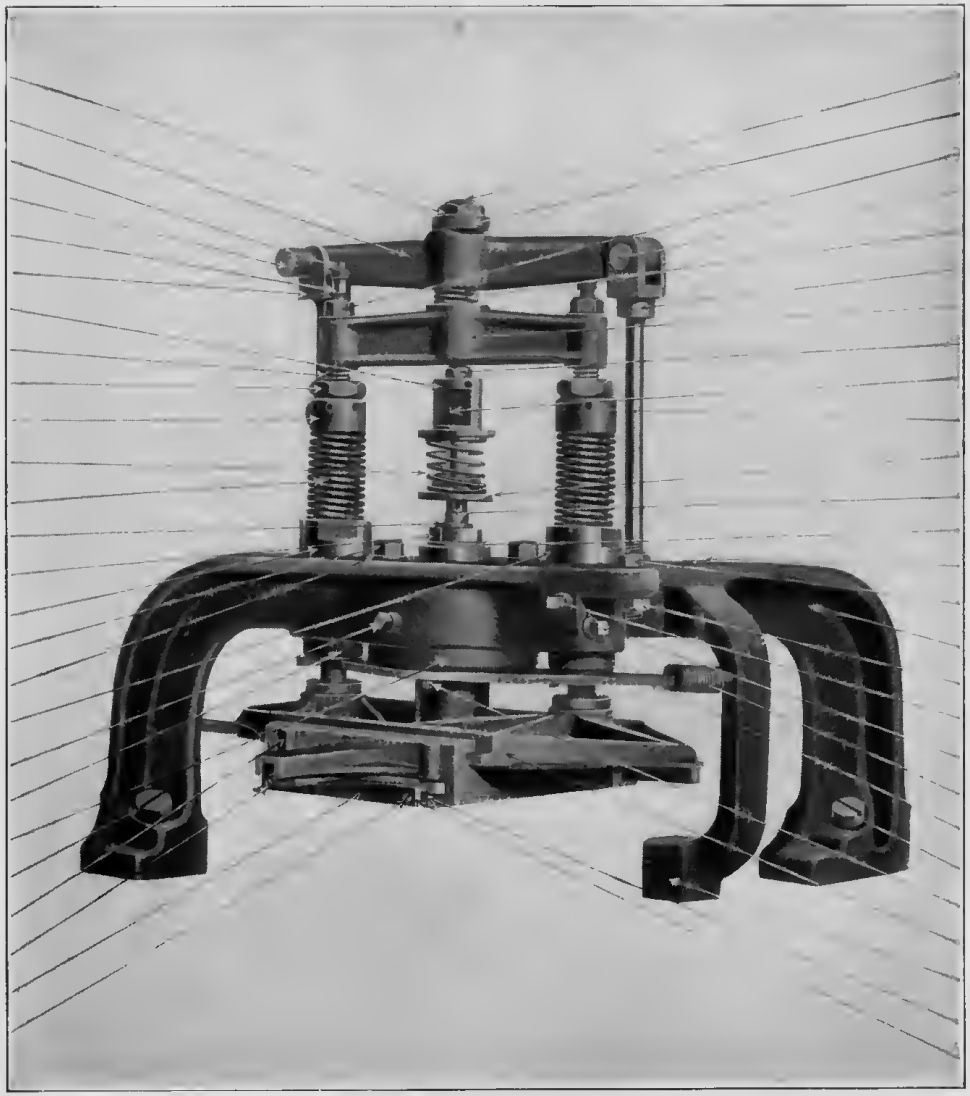
And omit 6A1 and 6A2

Machines 503 and following having the Display Type Attachment but not the Low Quad Attachment are equipped with the following parts:

CENTERING-PIN AUXILIARY SPRING. 36A1
abutment (lower) a36A2
" (upper) a36A3
" stud (2) 36A4
" " nut (2) 36A5
" " washer (2) 36A6

Machines 503 and following having the Display Type Attachment but not the Low Quad Attachment are equipped with the following parts:

CENTERING PIN abutment (lower) a5A4
(upper) a5A5



4A10 Carrying Frame guide rod cross beam stud adj. nut l'k nut

a2A Bridge Lever

a4A5 Carrying Frame guide rod oil cap screw (2)

3A Bridge-lever-link Pin

a4A4 Carrying Frame guide rod oil cap (2)

2A1 Bridge Lever connecting link

5A1 Centering Pin adjusting nut

4A1 Carrying Frame guide rod (2)

4A3 Carrying Frame guide rod stop nut lock nut (2)

4A2 Carrying Frame guide rod stop nut (2)

a5A3 Centering Pin spring

4A12 Carrying Frame raising spring (2)

6A5 Centering-pin Stand bushing

6A7 Centering-pin Stand bushing adjusting nut

1A7 Bridge bushing nut (2)

6A3 Centering-pin Stand bolt (2)

6A4 Centering-pin Stand bolt washer (2)

1A7 Bridge bushing nut (2)

6A2 Centering-pin Stand adj. screw (front and rear) (2)

1A6 Bridge bushing (for Carrying-frame Guide Rod) (2)

6A Centering-pin Stand

1A1 Bridge screw (2)

a9A Sliding Frame

8A5 Matrix Case wire plate screw (2)

8A3 Matrix Case wire (15)

8A5 Matrix Case wire plate screw (2)

a4A8 Carrying Frame guide rod cross beam stud

4A9 Carrying Frame guide rod cross beam stud adjusting nut

4A7 Carrying Frame guide rod cross beam nut (2)

2A5 Bridge Lever fulcrum pin

4A11 Carrying Frame guide rod cross beam stud spring

2A3 Bridge Lever fulcrum rod forked eye

a4A6 Carrying Frame guide rod cross beam

5A2 Centering Pin adjusting nut lock nut

a5A5 Centering Pin spring abutment (upper)

2A2 Bridge Lever fulcrum rod

a5A4 Centering Pin spring abutment (lower)

a5A Centering Pin

6A6 Centering-pin Stand bushing adjusting sleeve

1A4 Bridge leg screw (top)

2A4 Bridge Lever fulcrum rod nut (2)

1A Bridge

2A4 Bridge Lever fulcrum rod nut (2)

1A8 Bridge bushing adjusting screw (front)

6A1 Centering-pin Stand adj. screw (right and left) (2)

7A1 Fibre Stop spring

7A Fibre Stop

1A1 Bridge screw (2)

6A8 Centering-pin Stand bushing guide screw

4A Carrying Frame

1A2 Bridge leg

8A Matrix Case

8A4 Matrix Case wire plate

PLATE A1

PLATE A2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 4085 to 4102 inclusive, 4109 and following are equipped with the following parts:

BRIDGE a1A
stud b1A11
" cotter a1A12

Machines prior to 2821 were equipped with the following parts:

BRIDGE bushing adjusting screw (front) 1A8
" " " (rear) 1A9

Machines 2821 and following are equipped with the following parts:

BRIDGE bushing adjusting screw (front and rear) (2) 1A9
One of these replaces 1A8.

Machines 503 to 4007 inclusive were equipped with the following part:

BRIDGE LEVER a2A

Machines 4008 and following are equipped with the following parts:

BRIDGE LEVER b2A
bushing (2) a2A7

For all machines order:

BRIDGE-LEVER-LINK PIN a3A
spring a3A1

Machines 504 to 2202 inclusive were equipped with the following parts:

CENTERING PIN a5A
adjusting nut 5A1
" " lock nut 5A2
spring a5A3
" abutment (lower) a5A4
" " (upper) a5A5

Machines 503 to 2900 inclusive were equipped with the following parts:

CENTERING-PIN STAND 6A
bushing a6A5

Machines 2901 and following are equipped with the following parts:

CENTERING-PIN STAND a6A
bushing b6A5
nut a6A22

Machines prior to 2820 were equipped with the following parts:

CENTERING-PIN STAND adj. screw (front and rear) (2) 6A2

Machines 2821 to 4108 (except 4085 to 4102 inclusive) were equipped with the following part:

CENTERING-PIN STAND adj. screw (front) 6A2
The rear screw 6A2 is replaced by PLUNGER a6A10.
CENTERING-PIN STAND adj. screw (right and left) (2) 6A1

Machines 2554 to 2820 inclusive were equipped with the following parts:

CENTERING-PIN STAND adj. screw (right) 6A1
" " (left) a6A9

Machines 2821 to 4108 (except 4085 to 4102 inclusive) were equipped with the following parts:

CENTERING-PIN STAND adj. screw (right) 6A1
spring plunger (left) b6A9

Machines 2821 to 4108 inclusive, except 4085 to 4102 inclusive, were equipped with the following parts:

CENTERING-PIN STAND spring plunger (left) b6A9
" " (rear) a6A10
" " lever (left) a6A11
" " " stud a6A12
" " " stud nut a6A13
" " " (rear) a6A14
" " " stud a6A15
" " " spring a6A16
" " " " plate (2) a6A17
" " " " post a6A18
" " " " " nut a6A19
Omit the rear SCREW 6A2 and change the quantity of 6A2 from (2) to (1), the rear screw is replaced by PLUNGER a6A10.

Machines 2821 to 2930 inclusive were equipped with the following parts:

CENTERING-PIN STAND spring plunger lever stand a6A20
" " " " screw (2) a6A21

Machines 505 to 4897 inclusive were equipped with the following parts:

SLIDING FRAME a9A
draw rod clamp screw a9A3

Machines 4808 and following are equipped with the following parts:

SLIDING FRAME b9A
draw rod clamp screw b9A3

Machines 4085 to 4102 inclusive, 4109 and following are equipped with the following parts:

CENTERING-PIN MICROMETER SCREW 33A1
differential screw (right) 33A2
" " bell crank a33A3
" " " " plunger 33A4
" " " " stud a33A5
" " (left) 33A6
" " key screw (2) 33A7
plunger (2) 33A8
" spring 33A9
CENTERING-PIN ALIGNING LEVER (left) 35A1
plunger 35A2
stud 35A3
" nut 35A4
(rear) 35A5
plunger 35A6
spring 35A7
And omit 6A1 and 6A2.

For holding a full font of cellular composition Matrices (consisting of 225 characters and blanks) order:

MATRIX CASE (for cellular Matrices) b8A
bar b8A4
comb (13) a8A3
cover plate 8A1
" " screw (4) a8A2
shoe (2) a8A5
shoe rivet (16) a8A6
spacing comb (right and left) (2) a8A8
" " (front and back) (2) a8A9
MATRIX CASE group Xb8A

For holding electro Matrices, for casting sorts up to 36 points inclusive, with long taper Centering Pin, order:

MATRIX HOLDER 41A1
carrier 41A1
stop pin 41A2
slide 41A3
" bushing 41A4
" clamp (long) 41A5
" " (short) 41A6
" lever 41A7
" " pin 41A8
" " spring (3) 41A9
" cover plate 41A10
" " screw (4) 41A11
" handle 41A12
" latch 41A13
" " button 41A14
" " rivet (2) 41A15
" spring post (3) 41A16
" matrix abutment 41A17
" " screw 41A18
MATRIX HOLDER group X41A

For casting 24-point face on 18-point body or on 20-point body order the following for use with the above Holder X41A:

MATRIX-HOLDER-SLIDE MATRIX ABUTMENT a41A19
clamp (long) b41A20
" (short) a41A21

For casting 36-point face on 30-point body, 30-point face on 24-point body, or 18-point face on 14-point body order the following for use with the above Holder X41A:

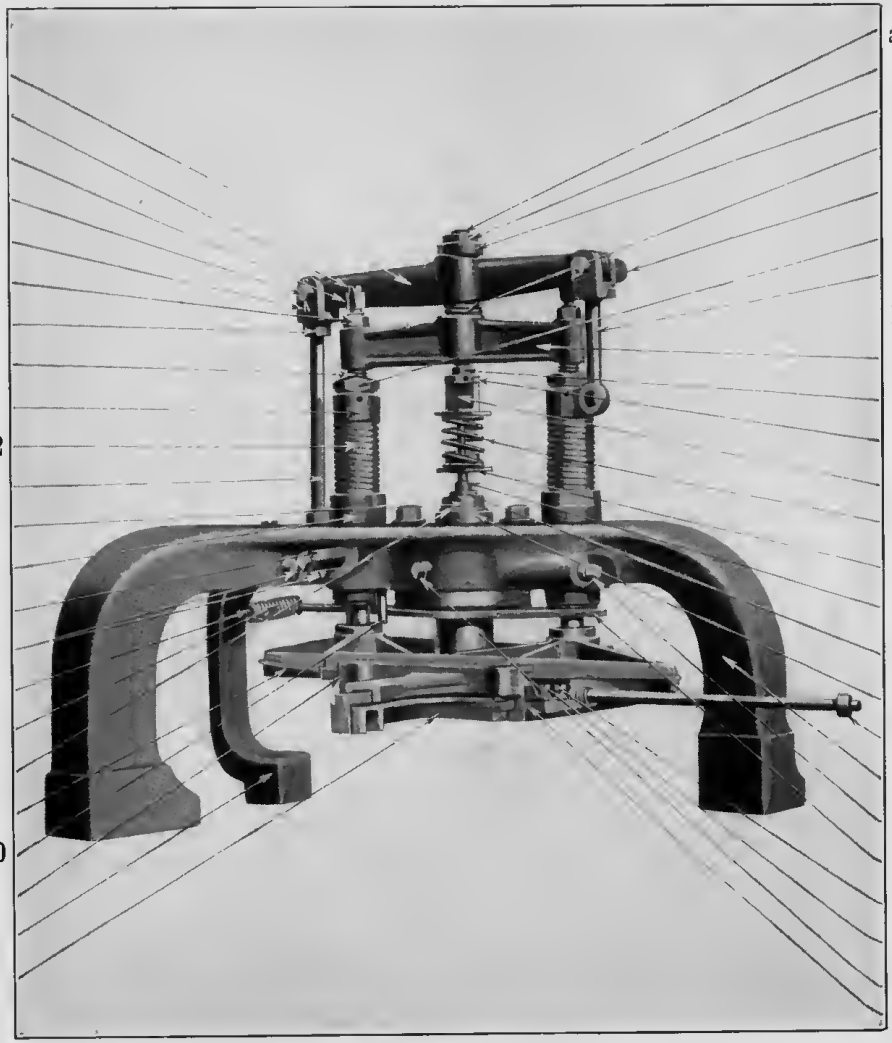
MATRIX-HOLDER-SLIDE MATRIX ABUTMENT a41A22
clamp (long) b41A23
" (short) a41A24

For casting 14-point face and 18-point faces on 24-, 30-, or 36-point body, order the following for use with the above Holder X41A:

MATRIX-HOLDER-SLIDE MATRIX ABUTMENT a41A25
clamp (long) a41A26
" (short) a41A27

For holding cellular Matrices, either composition or lease, for casting sorts order:

MATRIX HOLDER 40A1
cover plate 40A2
" rivet (7) 40A3
slide 40A4
" face plate 40A5
" " " rivet (5) 40A6
" matrix support 40A7
" latch a40A8
" " rivet (2) 40A9
MATRIX HOLDER group X40A



- a2A — Bridge Lever
- a4A5 — Carrying Frame guide rod oil cap screw (2)
- a4A4 — Carrying Frame guide rod oil cap (2)
- 2A5 — Bridge Lever fulcrum pin
- 2A6 — Bridge Lever fulcrum pin cotter
- 4A7 — Carrying Frame guide rod cross beam nut (2)
- 2A3 — Bridge Lever fulcrum rod forked eye
- 4A1 — Carrying Frame guide rod (2)
- 4A2 — Carrying Frame guide rod stop nut (2)
- 4A12 — Carrying Frame raising spring (2)
- 2A2 — Bridge Lever fulcrum rod
- 6A7 — Centering-pin Stand bushing adjusting nut
- 1A7 — Bridge bushing nut (2)
- 1A9 — Bridge bushing adjusting screw (rear)
- 1A3 — Bridge leg screw (side) (2)
- 1A5 — Bridge leg spring post (for Fibre-stop Spring)
- 7A1 — Fibre Stop spring
- 6A6 — Centering-pin Stand bushing adjusting sleeve
- 4A — Carrying Frame
- 1A10 — Bridge pin (for Fibre Stop)
- a9A — Sliding Frame
- 1A2 — Bridge leg
- 8A — Matrix Case

- a4A8 — Carrying Frame guide rod cross beam stud
- 4A10 — Carrying Frame guide rod cross beam stud adj. nut l'k nut
- 4A9 — Carrying Frame guide rod cross beam stud adjusting nut
- 4A11 — Carrying Frame guide rod cross beam stud spring
- 3A — Bridge-lever-link Pin
- 4A3 — Carrying Frame guide rod stop nut lock nut (2)
- 2A1 — Bridge Lever connecting link
- 16E4 — Centering-pin Lever stud (for Bridge-lever Link) (not shown)
- a4A6 — Carrying Frame guide rod cross beam
- 5A2 — Centering Pin adjusting nut lock nut
- 5A1 — Centering Pin adjusting nut
- a5A5 — Centering Pin spring abutment (upper)
- a5A3 — Centering Pin spring
- a5A4 — Centering Pin spring abutment (lower)
- a5A — Centering Pin
- 6A5 — Centering-pin Stand bushing
- 6A — Centering-pin Stand
- 9A1 — Sliding Frame draw rod
- 1A — Bridge
- 6A1 — Centering-pin Stand adj. screw (right and left) (2)
- 7A — Fibre Stop
- a9A3 — Sliding Frame draw rod clamp screw (front)
- 9A4 — Sliding Frame draw rod clamp screw (rear)
- 6A2 — Centering-pin Stand adj. screw (front and rear) (2)
- a9A2 — Sliding Frame draw rod clamp

PLATE A2

PLATE A3

Before ordering parts consult the Casting Machine Price List of Parts

Machines prior to 2821, machines 4085 to 4102 inclusive, and machines 4109 and following are not equipped with the following part:

CENTERING-PIN STAND spring plunger lever spring post nut a6A19

Machines 4113 and following are equipped with the following parts:

BRIDGE BRACKET spring (2) a10A10
" pin a10A9

Machines prior to 7210 having the Low Quad Device were equipped with the following parts:

BRIDGE-BRACKET LATCH (for 16A1) (2) 11A1
fulcrum pin 11A2

Machines equipped with the Slide X51A (or a51A1 which supersedes) do not require the Latch X11A.

Machines 4113 and following are equipped with the following part:

BRIDGE-BRACKET-YOKE STUD (for a17A and a17A2) (2) a16A4

Machines 5540 and following are equipped with the following part:

BRIDGE-BRACKET YOKE link (right) a17A2

Machines 3843 and following are equipped with the following part:

CENTERING-PIN-SPRING-ABUTMENT-LEVER ADJUSTING SCREW lock nut (lower) a22A5

Machines prior to 2771 having the Low Quad Device were equipped with the following part:

LIFTING-TUBE OPERATING FORK 23A1

Machines 2771 to 4112 inclusive were equipped with the following part:

LIFTING-TUBE OPERATING FORK a23A1

Machines 4113 to 5539 inclusive were equipped with the following parts:

LIFTING-TUBE OPERATING FORK a23A1
spring hook a23A2
spring a23A3

Machines 5540 and following are equipped with the following parts:

LIFTING-TUBE OPERATING FORK b23A1
spring hook b23A2
spring a23A3

Machines prior to 4109, except 4085 to 4102 inclusive were not equipped with the following parts:

CENTERING-PIN MICROMETER SCREW group Xa33A
CENTERING-PIN ALIGNING LEVER group X35A

Machines 5293 and following are equipped with the following part:

CROSS-BEAM LIFTING LEVER group X42A

Machines prior to 2755 (except 2685 and 2751), also machines 3613 and following are equipped with the following parts:

WEDGE COVER 24C
screw 24C1

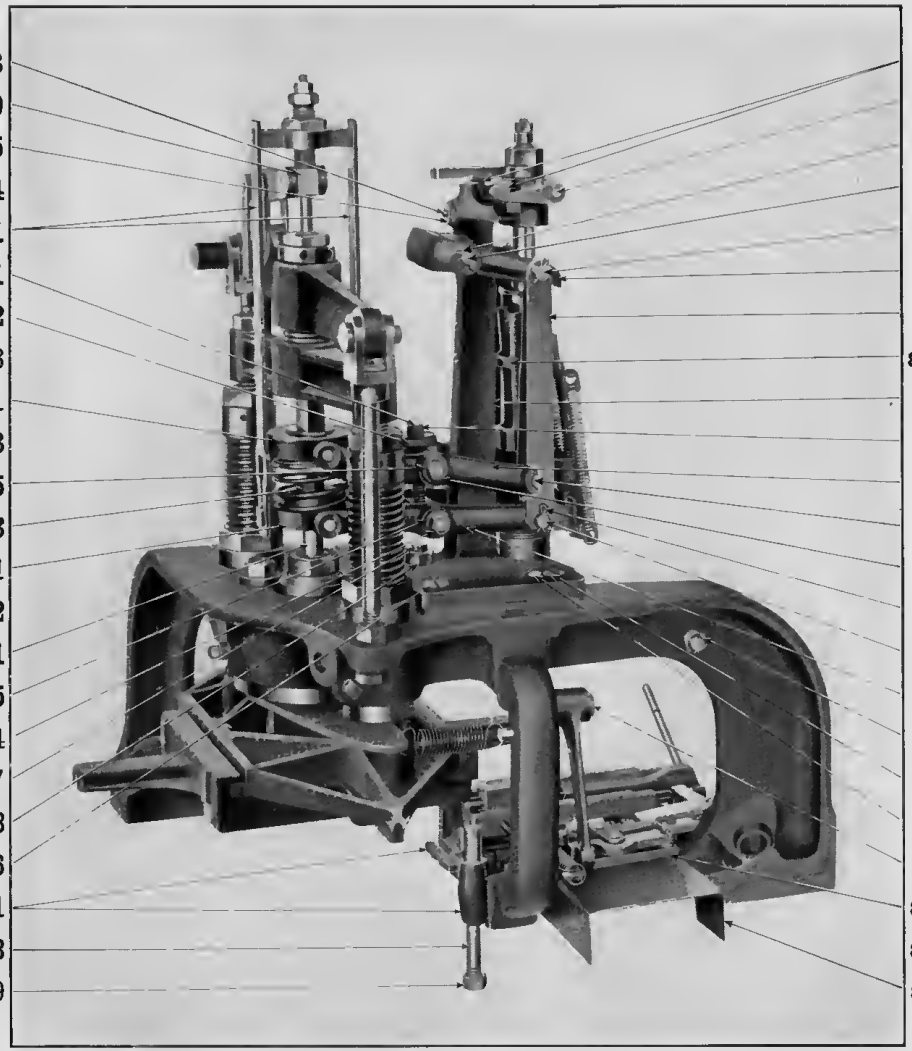
And omit a24C2 to a24C7 inclusive.

Machines 2685, 2751, 2755 to 3612 inclusive were equipped with the following part:

MOLD-BLADE LATCH BELL CRANK a87E1

For all machines having Low Quad Device, except those on which Style BE Molds are used, order:

MOLD-BLADE-LATCH BELL CRANK stud a87E8



10A3	Bridge Bracket plunger
30A9	Centering-pin Auxiliary Lever trunnion block
10A5	Bridge Bracket plunger spring abutment
10A4	Bridge Bracket plunger spring
31A1	Centering-pin Lifting Link (2)
22A1	Centering-pin-spring-abutment-lever Adjusting Screw
22A2	Centering-pin-spring-abutment-lever Adjusting Screw knurled wheel
22A3	Centering-pin-spring-abutment-lever Adjusting Screw knurled wheel key
19A1	Centering-pin-spring Abutment (upper)
19A3	Centering-pin-spring Abutment rod nut
21A5	Centering-pin-spring-abutment Lever fulcrum pin washer (2)
28A3	Centering Pin nut
18A1	Centering-pin Spring abutment (lower)
28A2	Centering Pin key
28A1	Centering Pin
20A5	Centering-pin-spring-abutment Lever fulcrum pin washer (2)
20A4	Centering-pin-spring-abutment Lever fulcrum pin nut (2)
10A7	Bridge Bracket stop screw (abutment for 22A1)
10A8	Bridge Bracket stop screw lock nut
10A6	Bridge Bracket Screw (3)
87E1	Mold-blade-latch Bell Crank
87E8	Mold-blade-latch Bell Crank stud
87E9	Mold-blade-latch Bell Crank stud nut

11A1	Bridge-bracket Latch (for 16A1) (2)
11A2	Bridge-bracket Latch fulcrum pin
16A3	Bridge-bracket Yoke fulcrum pin cotter (2)
16A2	Bridge-bracket Yoke fulcrum pin
16A4	Bridge-bracket Yoke stud (for 17A1 and 17A2) (2)
16A1	Bridge-bracket Yoke
17A2	Bridge-bracket-yoke Link (right)
a23A1	Lifting-tube Operating Fobe
10A1	Bridge Bracket
22A4	Centering-pin-spring-abutment-lever Adjust. Screw lock nut (upper)
21A2	Centering-pin-spring-arutment Lever (upper) (right)
21A7	Centering-pin-spring-abutment Lever stud (in 21A2)
21A4	Centering-pin-spring-abutment Lever fulcrum pin nut (2)
20A7	Centering-pin-spring-abutment Lever stud cotter (2)
20A8	Centering-pin-spring-abutment Lever stud (for 17A2)
20A2	Centering-pin-spring-abutment Lever (lower) (right)
a6A19	Centering-pin Stand spring plunger lever spring post nut
10A6	Bridge Bracket screw (3)
10A2	Bridge Bracket dowel (2)
13A2	Bridge-bracket-spring-box Bell Crank stud
a24C2	Wedge Cover bracket
a24C1	Wedge Cover rivet
a24C	Wedge Cover

PLATE A3

PLATE A4

Before ordering parts consult the Casting Machine Price List of Parts

Machines 3843 and following are equipped with the following part:

CENTERING-PIN-SPRING-ABUTMENT-LEVER ADJ. SCREW locknut a22A5

And omit 31A3 and 31A4.

Machines prior to 3025 having the Low Quad Device were equipped with the following parts:

LIFTING-TUBE OPERATING-FORE SPRING (center) 24A1
(outside) (2) 24A2
rod 24A5
" nut 24A6
" " lock nut 24A7

Machines prior to 2771 having the Low Quad Device were equipped with the following part:

LIFTING-TUBE-OPERATING-FORE SPRING rod eye 24A8

Machines 2771 to 4212 inclusive were equipped with the following part:

LIFTING-TUBE-OPERATING-FORE SPRING rod eye a24A8

Machines 3025 to 4112 inclusive were equipped with the following parts:

LIFTING-TUBE-OPERATING-FORE SPRING (center) a24A1
(outside) (2) a24A2
rod a24A5
" eye a24A8
bar (lower) a24A9
" (upper) a24A10
abutment a24A11
eye a24A12

And omit 24A6 and 24A7.

Machines 4113 and following are equipped with the following parts:

LIFTING-TUBE-OPERATING-FORE BLOCK rod b24A5
eye 24A8

And omit a24A1, a24A2, a24A9, a24A10, a24A11 and a24A12.

Machines 4113 to 4571 inclusive (except 4353, 4542, 4546, 4549, 4551 and 4568) were equipped with the following parts:

LIFTING-TUBE-OPERATING-FORE STOP spring hook a25A2

Machines 4353, 4542, 4546, 4549, 4551, 4568, and 4572, to 5539 inclusive were equipped with the following parts:

LIFTING-TUBE-OPERATING-FORE STOP a25A1
spring hook b25A2

And omit a25A3.

Machines 5540 and following are equipped with the following parts:

LIFTING-TUBE-OPERATING-FORE STOP b25A1
spring hook c25A2
" " rivet (2) a25A3

Machines 3843 and following are not equipped with the following parts:

CENTERING-PIN LIFTING LINE
adjusting screw (inner) 31A3
" " " lock nut 31A4

These parts have been discontinued and may be discarded from any machine if LOCK NUT a22A5 be furnished.

Machines 1003 to 2202 inclusive, not equipped with the Low Quad Device, were equipped with the following part:

AIR-PIN BLOCK stud (stop for 16C7) a3C7

Machines prior to 2755 (except 2685 and 2751) were equipped with the following parts:

MOLD-BLADE OPERATING ROD fork pin spring 16C7
" " " screw (2) 16C8

Machines 2685, 2751, 2755 to 3612 inclusive were equipped with the following parts:

MOLD-BLADE OPERATING ROD fork pin spring a16C7
" " " screw (2) a16C8

Machines 3613 and following are equipped with the following part:

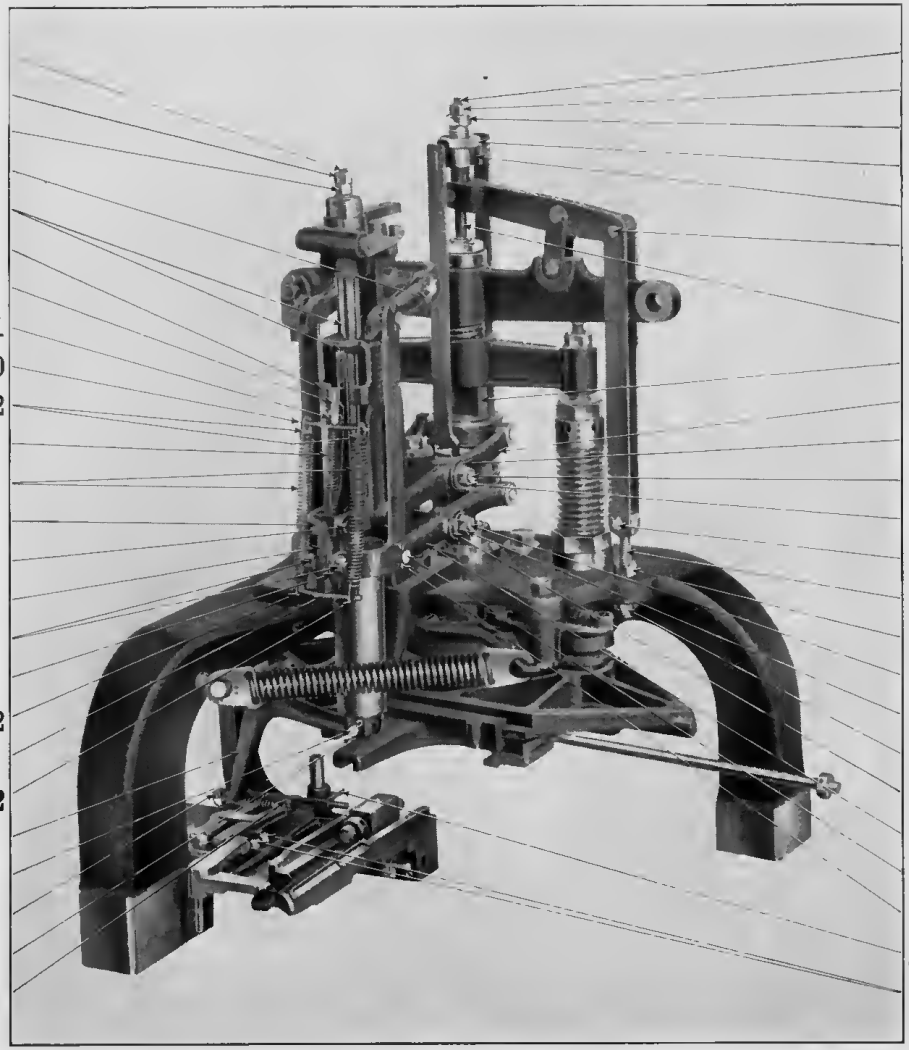
MOLD-BLADE OPERATING ROD fork pin spring screw (2) 16C8

Machines 3613 to 4657 inclusive (except 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, and 4618 to 4647 inclusive) were equipped with the following part:

MOLD-BLADE OPERATING ROD fork pin spring. 16C7

Machines 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive, 4658 and following are equipped with the following part:

MOLD-BLADE OPERATING ROD fork pin spring b16C7



12A5	Bridge-bracket Spring Box rod
12A7	Bridge-bracket Spring Box rod adjusting nut lock nut
12A6	Bridge-bracket Spring Box rod adjusting nut
16A3	Bridge-bracket Yoke fulcrum pin cotter (2)
14A1	Bridge-bracket-spring-box Lifting Tube
25A1	Lifting-tube-operating-fork Stop
a24A5	Lifting-tube-operating-fork Spring rod
a24A11	Lifting-tube-operating-fork Spring abutment (upper)
a24A10	Lifting-tube-operating-fork Spring bar (upper)
a24A12	Lifting-tube-operating-fork Spring eye (4)
a24A1	Lifting-tube-operating-fork Spring (center)
a24A2	Lifting-tube-operating-fork Spring (outside) (2)
24A3	Lifting-tube-operating-fork Spring abutment (lower)
24A4	Lifting-tube-operating-fork Spring abutment pin
a24A8	Lifting-tube-operating-fork Spring rod eye
17A4	Bridge-bracket-yoke Link pin nut (2)
17A5	Bridge-bracket-yoke Link pin nut washer (2)
a24A12	Lifting-tube-operating-fork Spring eye (4)
a24A9	Lifting-tube-operating-fork Spring bar (lower)
a24A12	Lifting-tube-operating-fork Spring eye (4)
13A1	Bridge-bracket-spring-box Bell Crank
12A3	Bridge-bracket Spring Box pin
b3C7	Air-pin Block spring post
12A4	Bridge-bracket Spring Box pin cotter (2)
87E6	Mold-blade-latch Bell Crank spring pin

31A3	Centering-pin Lifting Link adjusting screw (inner)
31A4	Centering-pin Lifting Link adjusting screw lock nut
31A5	Centering-pin Lifting Link adjusting screw (outer)
31A6	Centering-pin Lifting Link adjusting screw lock nut
31A2	Centering-pin Lifting Link yoke
30A5	Centering-pin Auxiliary Lever fulcrum link pin (2)
19A3	Centering-pin-spring Abutment rod nut
19A2	Centering-pin-spring Abutment rod
19A1	Centering-pin-spring Abutment (upper)
21A1	Centering-pin-spring-abutment Lever (upper) (left)
21A5	Centering-pin-spring-abutment Lever fulcrum pin washer (2)
21A3	Centering-pin-spring-abutment Lever fulcrum pin
21A4	Centering-pin-spring-abutment Lever fulcrum pin nut (2)
30A5	Centering-pin Auxiliary Lever fulcrum link pin (2)
30A3	Centering-pin Auxiliary Lever fulcrum link eye bolt
30A4	Centering-pin Auxiliary Lever fulcrum link eye bolt nut (2)
20A3	Centering-pin-spring-abutment Lever fulcrum pin
20A4	Centering-pin-spring-abutment Lever fulcrum pin nut (2)
30A4	Centering-pin Auxiliary Lever fulcrum link eye bolt nut (2)
20A5	Centering-pin-spring-abutment Lever fulcrum pin washer (2)
20A1	Centering-pin-spring-abutment Lever (lower) (left)
20A6	Centering-pin-spring-abutment Lever stud (2)
20A7	Centering-pin-spring-abutment Lever stud cotter (2)
a16C7	Mold-blade Operating Rod fork pin spring
a16C8	Mold-blade Operating Rod fork pin spring screw (2)

PLATE A4

PLATE A5

Before ordering parts consult the Castlug Machine Price List of Parts

Machines 503 to 4007 inclusive were equipped with the following part:

BRIDGE LEVER a2A

Machines 4008 and following are equipped with the following parts:

BRIDGE LEVER b2A
bushing (2) a2A7

Machines prior to 2554 were equipped with:

CENTERING-PIN STAND adjusting screw 6A1
in place of a6A9

Machines 2554 to 2820 inclusive were equipped with the following part:

CENTERING-PIN STAND adjusting screw (left) a6A9

Machines 2821 to 4108 inclusive, except 4085 to 4102 inclusive were equipped with the following parts:

CENTERING-PIN STAND
spring plunger (left) b6A9
" " (rear) a6A10
" " lever (left) a6A11
" " " stud a6A12
" " " " nut a6A13
" " " (rear) a6A14
" " " stud a6A15
" " " spring a6A16
" " " " eye (2) a6A17
" " " " post a6A18

For later machines see group 33A and 35A below.

Machines prior to 7210 having the Low Quad Device were equipped with the following part:

BRIDGE-BRACEET-SPRING-BOX LIFTING TUBE handle 14A2
Machines equipped with the SLIDE X51A (or a51A1) should not be equipped with this HANDLE but should use instead WASHER a14A4.

Machines 7210 and following are equipped with the following part:

BRIDGE-BRACEET-SPRING-BOX LIFTING TUBE washer a14A4
And omit 14A2.

Machines 4113 and following are equipped with the following part:

BRIDGE-BRACKET YOKE stud (for 17A1 and 17A2) (2) a16A4

Machines 5540 and following are equipped with the following parts:

BRIDGE-BRACEET-YOKE LINK (left) a17A1

Machines 4085 to 4102 inclusive, 4109 and following are equipped with the following parts:

CENTERING-PIN ALIGNING LEVER (left) 35A1
plunger 35A2
stud 35A3
" nut 35A4
(rear) 35A5
plunger 35A6
spring 35A7
CENTERING-PIN MICROMETER SCREW (2) 33A1
differential screw (right) 33A2
" " bell crank a33A3
" " " plunger 33A4
" " " stud a33A5
" " (left) 33A6
" " key screw (2) 33A7
plunger (2) 33A8
" spring 33A9

And omit b6A9 to a6A19 inclusive.

Machines 1003 to 2202 inclusive, not equipped with the Low Quad Device were equipped with the following part:

AIR-PIN BLOCE stud (stop for 16C7) a3C7

Machines 2685, 2751, and 2755 to 3612 inclusive were equipped with the following part:

AIR-PIN BLOCE stud a3C8

For machines prior to 3965 order:

MOLD-BLADE ABUTMENT SLIDE a14C

Machines 2356 and following are equipped with the following part:

MOLD-BLADE ABUTMENT SLIDE anvil a14C3
And omitted 14C4.

Machines 2709 to 3965 inclusive were equipped with the following parts:

MOLD-BLADE ABUTMENT SLIDE
adjusting screw a14C1
" lock screw a14C2
abutment screw a14C9

Machines 3966 and following are equipped with the following parts:

MOLD-BLADE ABUTMENT SLIDE b14C
adjusting screw b14C1
" " lock spring a14C10
" " nut a14C12
" " spring a14C13
pin (for a14C10) a14C11

And omitted a14C2 and a14C9

Machines 2685, 2751, and 2755 to 3612 inclusive were equipped with the following parts:

WEDGE COVER a24C10
rivet a24C9
bracket a24C2
" lever a24C3
" screw (long) (2) a24C4
" " (short) a24C5
" stud (for a24C3) a24C6
" " cotter a24C7
AIR-PIN-BLOCK BELL CRANK 25C1

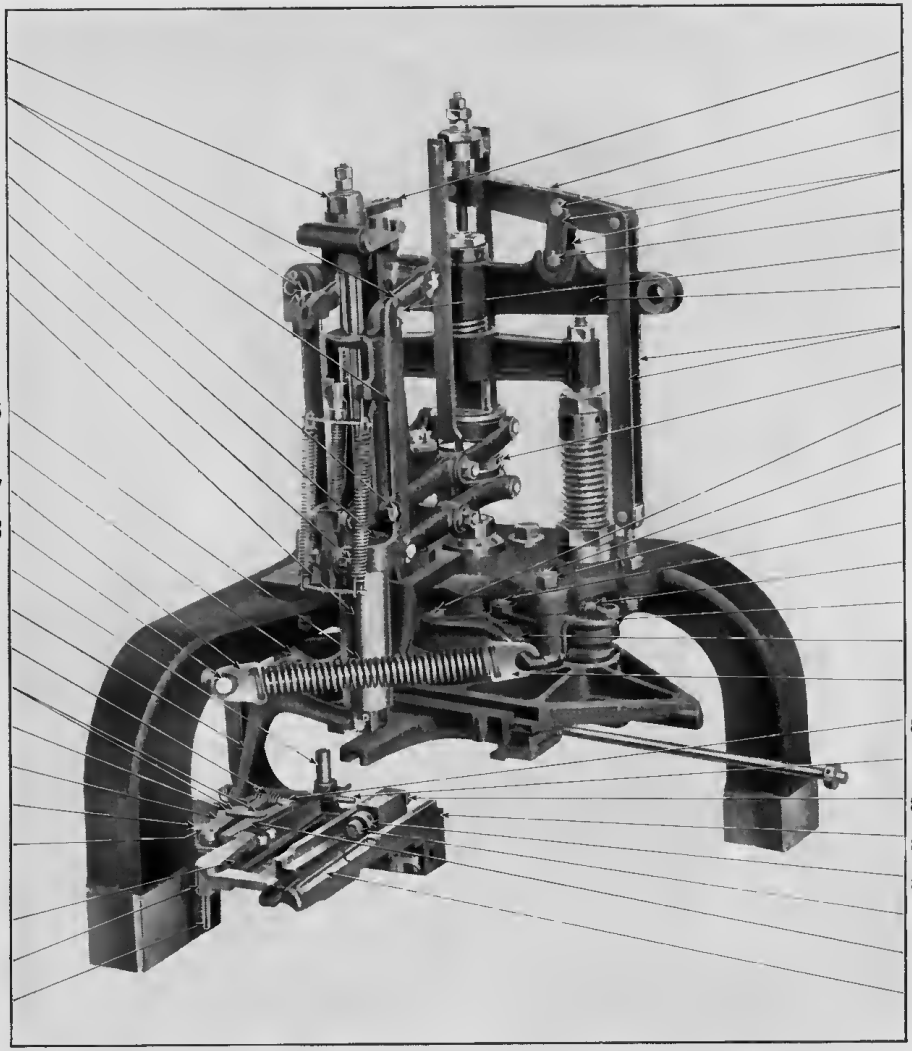
Machines 2685, 2751, and 2755 to 3612 inclusive were equipped with the following parts:

MOLD-BLADE-CARRIER-LATCH BELL CRANE a87E1
lever a87E2
" lnk (2) a87E3
" " pin (2) a87E4
" stud a87E5

a87E1 has been superseded by 87E1 and the other part a87E2 to a87E5 inclusive have been discarded and will no longer be furnished.

For all machines having Low Quad Attachment, except those on which Style BE Molds are used, order:

MOLD-BLADE-LATCH BELL CRANE stud a87E8



Bridge-bracket-spring-box Lifting Tube nut	14A3
Bridge-bracket Yoke stud cotter (2)	16A5
Bridge-bracket-yoke Link (left)	17A1
Centering-pin-spring-abutment Lever stud (in 21A1)	21A6
Bridge-bracket Spring Box cap (upper abutment for 12A8)	12A2
Bridge-bracket-yoke Link pin (for 24A8)	17A3
Bridge-bracket Spring Box	12A1
Bridge-bracket Spring Box spring	12A8
Bridge-bracket Spring Box spring abutment (lower)	12A9
Centering-pin Stand spring plunger lever spring	a6A16
Bridge-bracket-spring-box Bell Crank stud nut	13A3
Centering-pin Stand spring plunger lever spring eye (2)	a6A17
Centering-pin Stand spring plunger lever spring post	a6A18
Mold-blade-latch Bell Crank stud	87E8
Bridge-bracket-spring-box Bell Crank	13A1
Mold-blade-latch Bell Crank spring	87E7
Mold-blade-latch Bell Crank lever link pin (2)	a87E4
Mold-blade-latch Bell Crank lever link (2)	a87E3
Wedge Cover bracket lever	a24C3
Wedge Cover bracket stud cotter	a24C7
Wedge Cover bracket stud	a24C6
Wedge Cover bracket screw	a24C5
Wedge Cover bracket screw (2)	a24C4
Air-pin-block Bell Crank	25C1
Stud (for 25C1)	a3C8

14A2	Bridge-bracket-spring-box Lifting Tube handle
30A1	Centering-pin Auxiliary Lever (2)
30A8	Centering-pin Auxiliary Lever operating link pin (upper)
30A6	Centering-pin Auxiliary Lever operating link (2)
30A7	Centering-pin Auxiliary Lever operating link pin (lower)
16A4	Bridge-bracket Yoke stud (for 17A1 and 17A2)
a2A	Bridge Lever
30A2	Centering-pin Auxiliary Lever fulcrum link (2)
18A2	Centering-pin Spring
a6A10	Centering-pin Stand spring plunger (rear)
a6A12	Centering-pin Stand spring plunger lever stud
a6A13	Centering-pin Stand spring plunger lever stud nut
a6A15	Centering-pin Stand spring plunger lever stud
b6A9	Centering-pin Stand spring plunger (left)
a6A11	Centering-pin Stand spring plunger lever (left)
a6A14	Centering-pin Stand spring plunger lever (rear)
a6A17	Centering-pin Stand spring plunger lever spring eye (2)
a87E5	Mold-blade-latch Bell Crank lever stud
b3C7	Air-pin Block spring post (for 87E7)
a14C9	Mold-blade Abutment Slide abutment screw
a14C	Mold-blade Abutment Slide
a14C1	Mold-blade Abutment Slide adjusting screw
a14C2	Mold-blade Abutment Slide adjusting screw lock screw
a87E2	Mold-blade-latch Bell Crank lever
14C8	Mold-blade Abutment Slide spring post

PLATE A5

PLATE B1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1203 to 1842 inclusive were equipped with the following part:
AIR-PIN BLOCK (front) a3B

Machines 1843 to 3602 inclusive, were equipped with the following part:
AIR-PIN BLOCK (front) b3B

Machines 3603 to 4674 inclusive (except 4633 to 4647 inclusive) were equipped with the following part:
AIR-PIN BLOCK (front) c3B

Machines 4633 to 4647 inclusive, 4675 and following are equipped with the following part:
AIR-PIN BLOCK (front) d3B

Machines 4420 to 4487 inclusive, 4493 and following are equipped with the following part:
AIR-PIN BLOCK plug (2) a3B10

Machines 3603 and following are equipped with the following parts:
MATRIX JAW (left) a5B
And omit 5B1 and a5B2.
MATRIX JAW (right) a6B
And omit 6B1 and a6B2.

Machines prior to 3602 were equipped with the following parts:
MATRIX JAW screw 5B1

MATRIX JAW screw 6B1

Machines 1603 to 3602 inclusive were equipped with the following parts:
MATRIX JAW screw cover a5B2
MATRIX JAW screw cover a6B2

For all machines order:
MATRIX-JAW LATCH a7B
pin a7B1
spring a7B2

Machines 520 to 2615 inclusive were equipped with the following part:
MATRIX-JAW STOP RACK a12B

Machines 2616 to 3602 inclusive were equipped with the following part:
MATRIX-JAW STOP RACK b12B

Machines 3603 to 5057 inclusive were equipped with the following parts:
MATRIX-JAW STOP RACK a12B1
lug a12B2
spring a12B7
abutment (left) a12B3
" (right) a12B4
" pin a12B5
" plug a12B6
This supersedes a12B and b12B.

Machines 5058 and following are equipped with the following parts:
MATRIX-JAW STOP RACK b12B1
lug b12B2
spring b12B7
abutment (left) a12B3
" (right) b12B4
" pin a12B5
" plug. b12B6

Machines 520 to 2707 inclusive were equipped with the following parts:
MATRIX-JAW-STOP-RACK LOCKING BAR (front) a13B
bearing (for b29E) a13B1
" lock nut a13B2
tube a13B3

Machines 2708 to 3602 inclusive were equipped with the following parts:
MATRIX-JAW-STOP-RACK LOCKING BAR (front) b13B
bearing (for b29E) b13B1
" lock nut a13B2
And omit a13B3.

Machines 3603 to 3882 inclusive were equipped with the following parts:
MATRIX-JAW STOP RACK (front) c13B
bearing (for c29E) b13B1
lock nut. a13B2

Machines 3883 and following were equipped with the following parts:
MATRIX-JAW STOP RACK (front) d13B
connecting bar a13B4
spring a13B5
And omit b13B1 and a13B2.

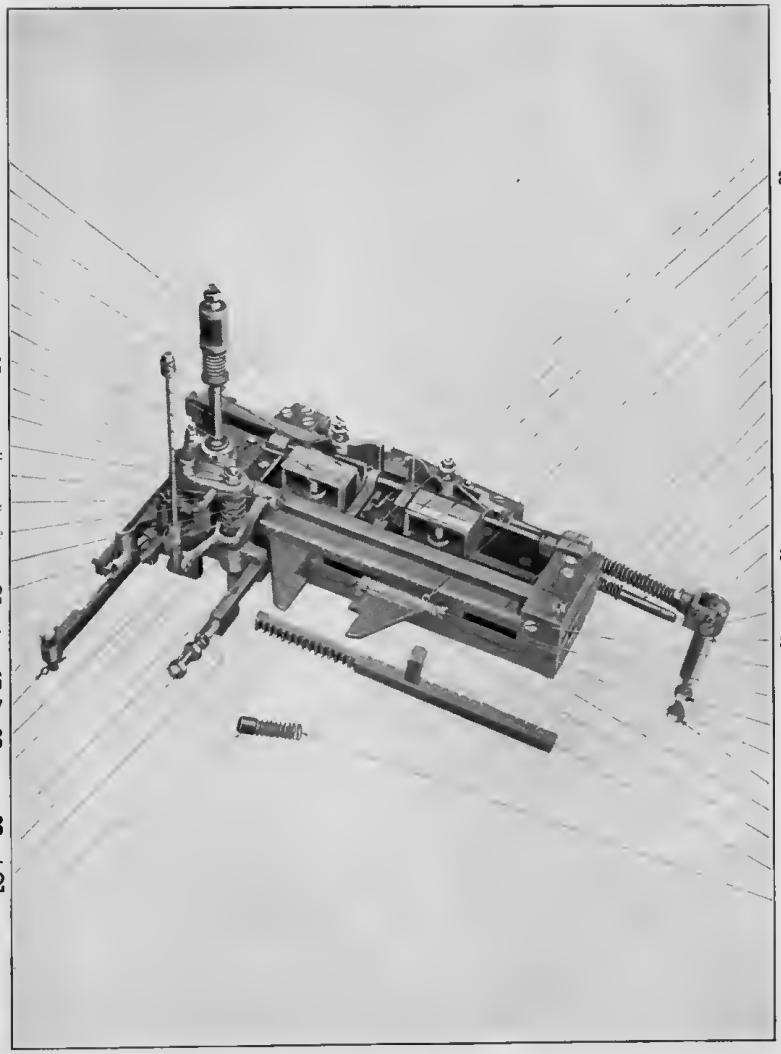
Machines 4527 and following are equipped with the following part:
PIN-JAW GUIDE ROD screw a18B1

Machines 4368 and following are equipped with the following parts:
TYPE-CARRIER EXTENSION a22B
sleeve a22B2
And omit 22B3.

Machines 1203 to 2615 inclusive were equipped with the following part:
TYPE PUSHER a29B

Machines 2616 and following are equipped with the following part:
TYPE PUSHER b29B

Machines 2616 to 3882 inclusive were equipped with the following part:
TYPE PUSHER blade a29B1



Pin Jaw stud nut 17B2
Pin Jaw stud washer 17B3
Pin Jaw stud (for Tongs) 17B1
Pin Jaw (right) 17B
Matrix Jaw (right) 6B
Matrix Jaw screw (for Tongs) 6B1
Matrix-jaw-shoe Packing Block cover screw 11B3
Matrix-jaw-shoe Packing Block cover 11B2
Transfer-wedge Shifter 55D
Transfer-wedge Shifter nut 55D5
Transfer-wedge Shifter spring abutment (upper) 55D4
Transfer-wedge-shifter Lever fulcrum screw 56D1
Obsolete
Obsolete
Transfer-wedge Shifter spring (inside) 55D1
Transfer-wedge Shifter spring (outside) 55D2
Normal-wedge-locking-pin Stand bolt (3-16"x9-16") 15B1
Type Pusher 29B
Type Pusher eye pin 29B6
Type Pusher eye pin cotter 29B7
Transfer-wedge Shifter spring abutment (lower) 55D3
Transfer-wedge-shifter Lever 56D
Matrix-jaw-stop-rack Locking Bar (front) a13B
Matrix-jaw-stop-rack Locking Bar tube a13B3
Matrix-jaw-stop-rack Locking Bar bearing (for Lever) a13B1
Matrix-jaw-stop-rack Locking Bar bearing lock nut a13B2
Air Pin (14) 1B

1B Air Pin (14)
a12B Matrix-jaw Stop Rack
5B2 Matrix Jaw screw cover
5B Matrix Jaw (left)
18B Pin-jaw Guide Rod
7B2 Matrix-jaw Latch pin cotter
19B Pin-jaw-guide-rod Stop
8B Matrix-jaw Shoe
8B1 Matrix-jaw Shoe screw (top) (2)
22B Type-carrier Extension
22B4 Type-carrier Extension spring
21B9 Type-carrier Connecting Rod spring
22B2 Type-carrier Extension sleeve
21B6 Type-carrier Connecting Rod forked eye lock nut
a21B5 Type-carrier Connecting Rod forked eye (Cam Lever end)
21B8 Type-carrier Connecting Rod forked eye pin cotter
21B7 Type-carrier Connecting Rod forked eye pin
a72E4 Type-carrier-cam Lever extension
8B2 Matrix-jaw Shoe screw (rear)
10B Matrix-jaw-shoe Packing Block (left, small)
72E6 Type-carrier-cam Lever extension adjusting bolt lock nut
3B Air-pin Block (front)
72E5 Type-carrier-cam Lever extension adjusting bolt
7B3 Matrix-jaw Latch pin nut
7B Matrix-jaw Latch (for Normal Wedge)
a12B Matrix-jaw Stop Rack
1B1 Air Pin spring (14)

PLATE B1

PLATE B2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1843 and following are equipped with the following parts:
AIR PIN (fixed, permanent stop for eighteen unit row) a2B
spring a2B1

Machines 3603 and following were not equipped with:
MATRIX JAW screw 5B1

Machines prior to 3603 were equipped with the following parts:
MATRIX-JAW-SHOE PACKING BLOCK (left) (large) 9B
screw 9B3

Machines 3603 and following are equipped with the following parts:
MATRIX-JAW-SHOE PACKING BLOCK
screw a9B3
shoe a9B4

Machines 3603 to 4552 inclusive were equipped with the following part:
MATRIX-JAW-SHOE PACKING BLOCK a9B

Machines 4553 and following were not equipped with the following part:
MATRIX-JAW-SHOE-PACKING BLOCK clamp screw 9B1

Machines 4553 and following are equipped with the following parts:
MATRIX-JAW-SHOE PACKING BLOCK b9B
clamp (lower) a9B5
" (upper) a9B6
" screw a9B7
screw (front) a9B8
" (rear) a9B9

Machines 520 to 2615 inclusive were equipped with the following part:
MATRIX-JAW STOP RACK a12B

Machines 2616 to 3602 inclusive were equipped with the following part:
MATRIX-JAW STOP RACK b12B

Machines 3603 to 5057 inclusive were equipped with the following parts:
MATRIX-JAW STOP RACK a12B1
lug a12B2
spring a12B7
" abutment (left) a12B3
" " (right) a12B4
" pin a12B5
" plug a12B6
This supersedes a12B and b12B.

Machines 5058 and following are equipped with the following parts:
MATRIX-JAW STOP RACK b12B1
lug b12B2
spring b12B7
" abutment (left) a12B3
" " (right) b12B4
" pin a12B5
" plug b12B6

Machines 1203 to 4267 inclusive, except 4233 to 4248 inclusive, were equipped with the following part:
TYPE CARRIER b20B

Machines 4233 to 4248 inclusive, 4268 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, and 4552), also 4603 to 4607 inclusive were equipped with the following part:
TYPE CARRIER c20B

Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following parts:
TYPE CARRIER d20B
lever (for b31B) b20B3
" (for d26B) a20B11
pin a20B12

Machines 1203 to 2525 inclusive were equipped with the following parts:
TYPE CARRIER lever stand a20B1
" pin a20B4

Machines 2526 and following are equipped with the following parts:
TYPE CARRIER lever stand b20B1
" pin b20B4
" " cotter a20B9

Machines 1483 to 2525 inclusive were equipped with the following part:
TYPE CARRIER lever (for a31B) b20B3

Machines 2526 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following part:
TYPE CARRIER lever (for Type Support Spring) c20B3

Machines 4233 to 4248 inclusive, 4268 and following, are equipped with the following part:
TYPE CARRIER bushing a20B10

Machines 4368 and following are equipped with the following parts:
TYPE-CARRIER EXTENSION a22B
sleeve a22B2
And omit 22B3.

Machines 1203 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive were equipped with the following part:
TYPE-CARRIER SHOE (long) a23B

Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following parts:
TYPE-CARRIER SHOE (long) b23B
cam (front) a23B3
" (rear) a23B4
" rivet (lower) a23B5
" " (right) a23B6
" " (center, left) (2) a23B7

Machines 1203 to 2524 inclusive were equipped with the following part:
TYPE CLAMP a26B

Machines 2525 to 4015 inclusive were equipped with the following part:
TYPE CLAMP b26B

Machines 4016 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following part:
TYPE CLAMP c26B
And omitted a26B1.

Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following parts:
TYPE CLAMP d26B
extension b26B1

Machines 1203 to 4015 inclusive were equipped with the following part:
TYPE CLAMP extension a26B1

Machines 4016 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive were not equipped with the following part:
TYPE CLAMP extension a26B1

Machines 1203 to 4015 inclusive were equipped with the following part:
TYPE-CLAMP SHOE a27B

Machines 4016 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following parts:
TYPE-CLAMP SHOE b27B
rod a27B2

Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following part:
TYPE-CLAMP SHOE c27B
And omit a27B2.

Machines 1203 and following are equipped with the following part:
TYPE-CARRIER SHOE screw (4) a27B1

Machines 1203 and following are equipped with the following parts:
TYPE-PUSHER GUIDE cover a28B2
" screw a28B3

Machines 1203 to 2615 inclusive were equipped with the following part:
TYPE PUSHER a29B

Machines 2616 and following are equipped with the following part:
TYPE PUSHER b29B

Machines 1203 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following part:
TYPE-SUPPORT SPRING a31B

Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following parts:
TYPE-SUPPORT SPRING b31B
bar f31B1
" rivet (2) a31B2
" yoke c31B4
extension a31B7

Machines 1203 to 1789 inclusive were equipped with the following parts:
TYPE-SUPPORT SPRING bar b31B1
" stud b31B3

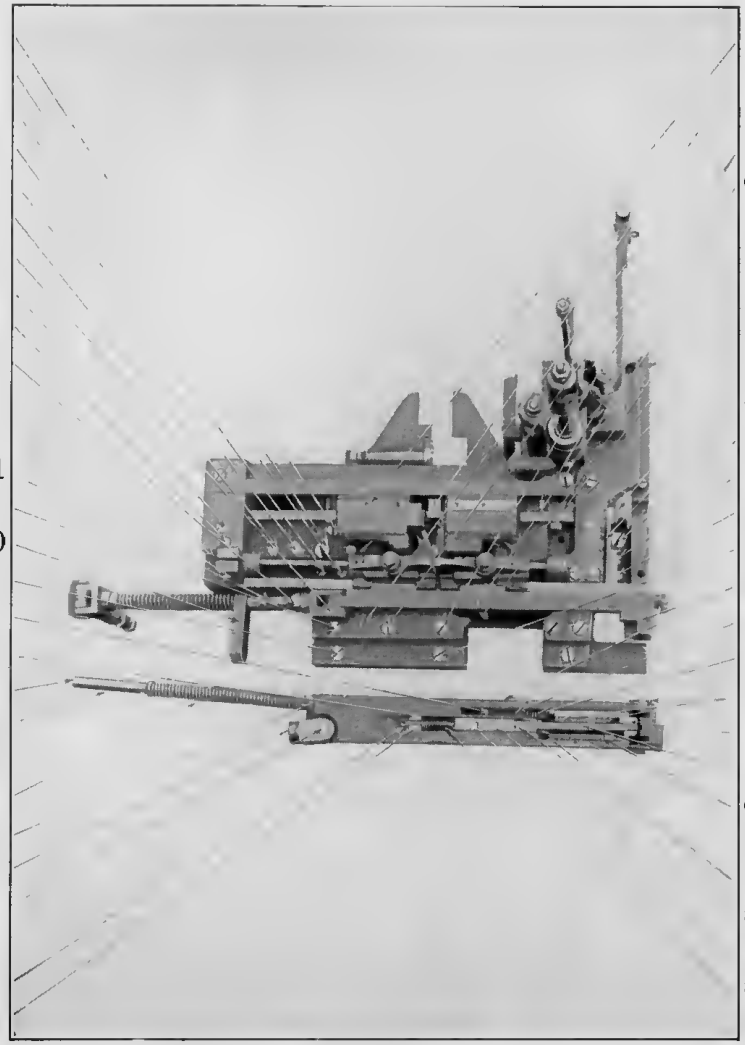
Machines 1790 to 2882 were equipped with the following part:
TYPE-SUPPORT SPRING bar c31B1
And omit b31B3.

Machines 2883 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive were equipped with the following part:
TYPE-SUPPORT SPRING bar d31B1

Machines 1790 and following were not equipped with the following part:
TYPE-SUPPORT SPRING bar stud b31B3

Machines 1203 to 2882 inclusive were equipped with the following part:
TYPE-SUPPORT SPRING bar yoke a31B4

Machines 2883 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following part:
TYPE-SUPPORT SPRING bar yoke b31B4



4B2 Air-pin Plate screw (4)
3B3 Air-pin Block screw (5-16″x1 5-8″) (2)
2B Air Pin (fixed, permanent stop for eighteen unit row)
4B2 Air-pin Plate screw (4)
4B1 Air-pin Plate dowel (2)
3B1 Air-pin Block dowel (left)
21B4 Type-carrier Connecting Rod forked eye pin dowel
9B3 Matrix-jaw-shoe Packing Block screw
9B2 Matrix-jaw-shoe Packing Block dowel
21B2 Type-carrier Connecting Rod forked eye lock nut (L. H.)
9B Matrix-jaw-shoe Packing Block (left, large)
9B1 Matrix-jaw-shoe Packing Block clamp screw
21B11 Type-carrier Connecting Rod sleeve
23B2 Type-carrier Shoe screw (left)
21B10 Type-carrier Connecting Rod spring abutment
3B7 Air-pin Block screw (1-4″x7-8″)

Obsolete

20B1 Type Carrier abutment (for Type-support Spring)
22B3 Type-carrier Extension sleeve nut
22B2 Type-carrier Extension sleeve
22B Type-carrier Extension (not shown)
22B4 Type-carrier Extension spring
22B1 Type-carrier Extension lock nut
21B1 Type-carrier Connecting Rod forked eye (Carrier end)
21B3 Type-carrier Connecting Rod forked eye pin
21B Type-carrier Connecting Rod (not shown)
a31B3 Type-support Spring bar stud
a20B2 Type Carrier abutment rivet

5B1 Matrix Jaw screw (for Tongs)
a12B Matrix-jaw Stop Rack
23B Type-carrier Shoe (long)
23B1 Type-carrier Shoe screw (right and centre) (2)

Obsolete

20B4 Type Carrier lever pin
20B3 Type Carrier lever (for Type-support Spring)
11B Matrix-jaw-shoe Packing Block (right)
11B1 Matrix-jaw-shoe Packing Block bolt
29B Type Pusher
a28B Type-pusher Guide
3B4 Air-pin Block screw (5-16″x15-16″
28B1 Type-pusher Guide screw
3B2 Air-pin Block dowel (right)
3B6 Air-pin Block screw (1-4″x1 1-4″)
a20B Type Carrier
a26B2 Type Clamp spring
26B1 Type Clamp extension
20B6 Type Carrier shield screw (2) (shows also 2 of 27B1)
26B Type Clamp
31B Type-support Spring

Obsolete

27B Type-clamp Shoe (not shown)
31B2 Type-support Spring bar rivet (2)
a31B1 Type-support Spring bar
20B3 Type Carrier lever (for Type-support Spring)
a31B6 Type-support Spring bar spring
a20B5 Type Carrier shield (not shown)

PLATE B2

PLATE B3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1203 to 1842 inclusive were equipped with the following part:
AIR-PIN BLOCK a3B

Machines 1843 to 3602 inclusive were equipped with the following part:
AIR-PIN BLOCK b3B

Machines 3603 to 4674 inclusive (except 4633 to 4647 inclusive) were equipped with the following part:
AIR-PIN BLOCK c3B

Machines 4633 to 4747 inclusive, 4675 and following are equipped with the following part:
AIR-PIN BLOCK (front) d3B

Machines 4658 and following are equipped with the following part:
AIR-PIN PLATE a4B

Machines 2942 and following, having the Display Type Attachment, are equipped with the following part:
NORMAL-WEDGE-LOCKING-PIN LIFTING HANDLE a14B12

Machines 502 to 4657 inclusive were equipped with the following part:
NORMAL-WEDGE-LOCKING-PIN STAND a15B

Machines 4658 and following are equipped with the following part:
NORMAL-WEDGE-LOCKING-PIN STAND b15B

Machines 1203 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following part:
TYPE-CARRIER SHOE (short) a24B

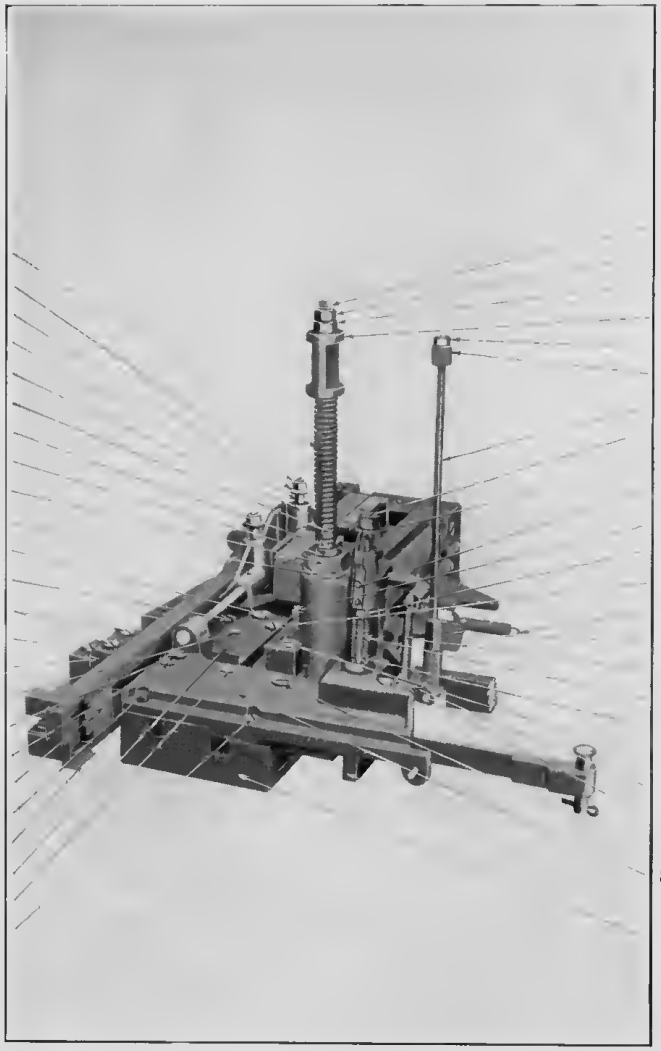
Machines 4353, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607) inclusive are equipped with the following parts:
TYPE-CARRIER SHOE (short) b24B
plate (trip for d26B) a24B2

Machines 1203 to 4015 inclusive were equipped with the following part:
TYPE-CLAMP SHOE a27B

Machines 4016 to 4572 inclusive (except 4353, 4527, 4542, 4546, 4549, 4551, 4552), also 4603 to 4607 inclusive, were equipped with the following parts:
TYPE-CLAMP SHOE b27B
rod a27B2

Machines 4343, 4527, 4542, 4546, 4549, 4551, 4552, 4573 and following (except 4603 to 4607 inclusive) are equipped with the following part:
TYPE-CLAMP SHOE c27B
And omit a27B2.

Machines 4058 and following are equipped with the following parts:
PIN-JAW-GUIDE-ROD STAND 36B1
nut 36B2



b14B8	Normal-wedge Locking Pin spring
16B2	Pin Jaw stud nut
16B3	Pin Jaw stud washer
16B1	Pin Jaw stud (for tongs)
16B	Pin Jaw (left)
a14B7	Normal-wedge Locking Pin shank
b14B	Normal-wedge Locking Pin
a14B3	Normal-wedge Locking Pin bushing
14B5	Normal-wedge Locking Pin bushing adjusting nut
14B4	Normal-wedge Locking Pin bushing adjusting sleeve
3B3	Air-pin Block screw (5-16″x1 5-8″) (2)
4B2	Air-pin Plate screw (4)
24B1	Type-carrier Shoe screw (2)
3B5	Air-pin Block screw (1-4″x1 7-16″)
24B	Type-carrier Shoe (short)
4B1	Air-pin Plate dowel (2)
15B4	Normal-wedge-locking-pin Stand screw (1-4″x5-8″)
15B2	Normal-wedge-locking-pin Stand dowel (2)
27B	Type-clamp Shoe
15B6	Normal-wedge-locking-pin Stand screw (3-16″x1-2″)
a20B5	Type Carrier shield
4B	Air-pin Plate
15B2	Normal-wedge-locking-pin Stand dowel (2)
15B5	Normal-wedge-locking-pin Stand screw (3-16″x5-8″)

a14B7	Normal-wedge Locking Pin shank
14B2	Normal-wedge Locking Pin adjusting nut lock nut
14B1	Normal-wedge Locking Pin adjusting nut
14B10	Normal-wedge Locking Pin spring abutment (upper)
57D2	Transfer-wedge-shifter-lever Arm adjusting nut lock nut
57D1	Transfer-wedge-shifter-lever Arm adjusting nut
57D4	Transfer-wedge-shifter-lever Arm rod
a20D2	Micrometer Wedge adjusting screw
a20D3	Micrometer Wedge adjusting screw spring
20D4	Micrometer Wedge adjusting screw spring screw (2)
a14B6	Normal-wedge Locking Pin bushing guide screw
a20D5	Micrometer Wedge shank nut
4B2	Air-pin Plate screw (4)
58D	Transfer-wedge-shifter-lever-arm Spring
57D	Transfer-wedge-shifter-lever Arm
Obsolete	
a20D1	Micrometer Wedge shank
20D7	Micrometer Wedge shank spring
8B1	Matrix-jaw Shoe screw (top) (2)
Obsolete	
57D3	Transfer-wedge-shifter-lever Arm fulcrum pin (for Lever)
15B3	Normal-wedge-locking-pin Stand screw (1-4″x7-8″)
a15B	Normal-wedge-locking-pin Stand
20D	Micrometer Wedge
3B	Air-pin Block (front)

PLATE B3

PLATE C1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1843 and following are equipped with the following parts:

AIR PIN (fixed, permanent stop for bottom row) . . . a2C
spring . . . a2C1

Machines 3883 to 4657 inclusive (except 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, and 4618 to 4647 inclusive,) were equipped with the following part:

CROSS SLIDE draw rod. . . . a5C1

Machines 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive, 4658 and following are equipped with the following parts:

CROSS SLIDE . . . b5C
draw rod . . . b5C1
extension . . . a5C3
" rivet. . . . a5C7

And omit 5C5, 5C6.

Machines 3603 and following are equipped with the following parts:

MATRIX JAW (rear) . . . a9C

And omit 9C1 and 9C2.

Machines 3883 and following are equipped with the following part:

MATRIX-JAW STOP (front). . . . b10C

Machines 742 to 3602 inclusive were equipped with the following part:

MATRIX-JAW STOP RACK . . . a12C

Machines 3603 to 3882 inclusive were equipped with the following part:

MATRIX-JAW STOP RACK . . . a12C1

Machines 3883 to 5007 inclusive were equipped with the following part:

MATRIX-JAW STOP RACK . . . b12C1

Machines 3603 to 5007 inclusive were equipped with the following parts:

MATRIX-JAW STOP RACK
lug . . . a12C2
spring . . . a12C7
" abutment (rear) . . . a12C3
" " (front) . . . a12C4
" " pin . . . a12C5
" " plug. . . . a12C6

(These parts, with a12C1, superseded a12C)

Machines 5008 and following are equipped with the following parts:

STOP RACK . . . c12C1
lug . . . b12C2
spring . . . b12C7
" abutment (rear) . . . a12C3
" " (front) . . . b12C4
" " pin . . . a12C5
" " plug . . . b12C6

Machines 520 to 3882 inclusive were equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR
bearing. . . . a13C1
" lock nut . . . a13C2

Machines 520 to 3602 inclusive were equipped with the following part:

MATRIX-JAW-STOP-RACK LOCKING BAR (special) . . . a13C

Machines 3603 to 3882 inclusive were equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR (rear) . . . b13C
key. . . . a13C3

Machines 3883 and following are equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR . . . c13C
connecting rod . . . a13C4
" " adjusting nut . . . a13C5
" " lock nut. . . . a13C6
" " washer . . . a13C7
spring . . . a13C8
" abutment pin . . . a13C9
stop washer. . . . a13C10
yoke. . . . a13C11

And omit a13C1, a13C2, and a13C3.

Machines 3966 and following are equipped with the following parts:

MOLD-BLADE OPERATING ROD . . . a16C
fork. . . . b16C5
nut . . . a16C16
" lock nut . . . a16C15

Machines 4363 and following are equipped with the following parts:

MOLD-BLADE OPERATING ROD ejecting spring (long). . . . a16C2
" " (short). . . . a16C17
" " sleeve . . . b16C4

Machines 3966 to 4362 inclusive were equipped with the following part:

MOLD-BLADE OPERATING ROD ejecting spring sleeve. . . . a16C4

Machines 2902 to 3965 inclusive and all prior machines having Low Quad Attachment were equipped with the following part:

MOLD-BLADE OPERATING ROD fork . . . a16C5

Machines 2685, 2751 and 2755 to 3612 inclusive were equipped with the following parts:

MOLD-BLADE OPERATING ROD fork pin spring. . . . a16C7
" " " screw (2). . . . a16C8

Machines 4508 to 4512 inclusive, 4533 to 4537 inclusive 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive, 4658 and following are equipped with the following parts:

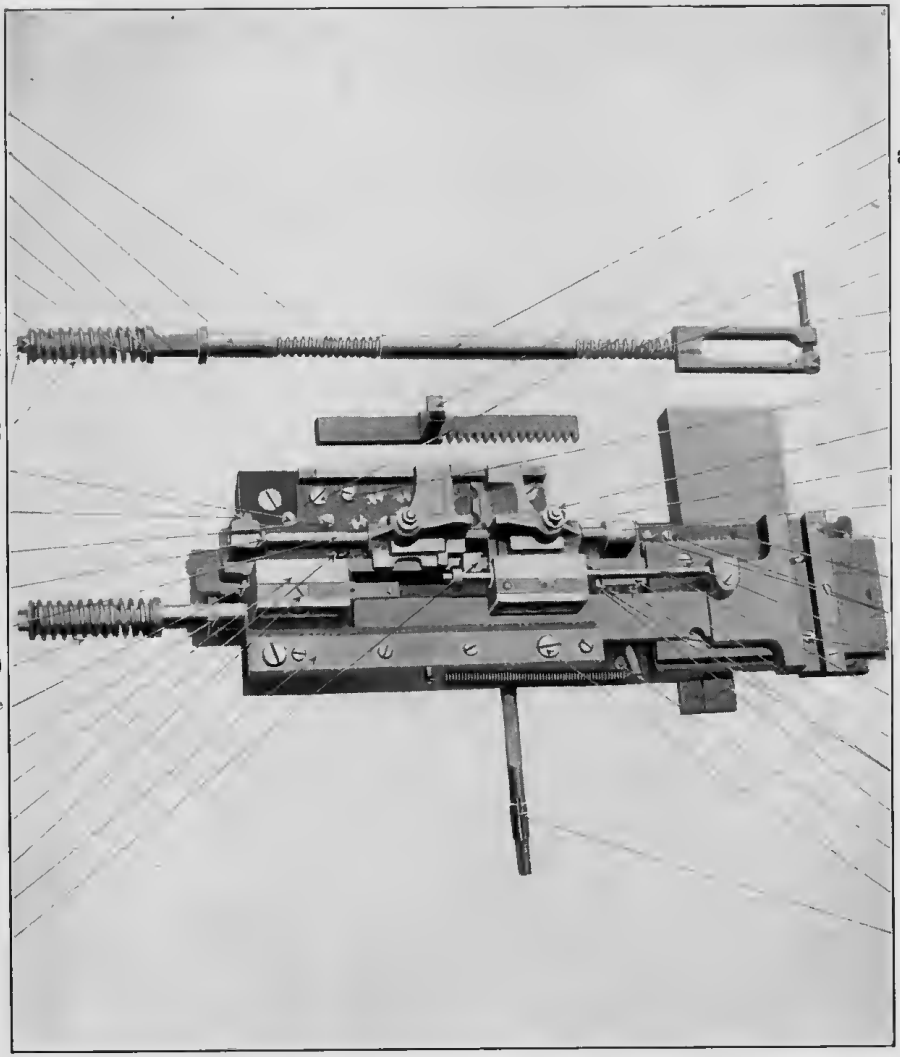
MOLD-BLADE OPERATING ROD fork pin . . . a16C6
" " spring. . . . b16C7

Machines 4658 and following are equipped with the following parts:

PIN-JAW GUIDE ROD. . . . a20C
screw. . . . a20C1

Machine 3883 and following are equipped with the following part:

PIN-JAW-GUIDE-ROD STOP. . . . a21C



Mold-blade Operating Rod ejecting spring (2) 16C2
Mold-blade Operating Rod ejecting spring abutment 16C3
Mold-blade Operating Rod dist. sleeve (bet. Spring Abutm's) a16C1
Mold-blade Operating Rod sizing spring abutment (front) 16C13
Mold-blade Operating Rod sizing spring sleeve (inside) a16C11
Mold-blade Operating Rod sizing spring 16C10
Mold-blade Operating Rod sizing spring abutment (rear) 16C14
Mold-blade Operating Rod nut 16C9
Mold-blade Operating Rod sizing spring sleeve (outside) a16C12
Air-pin Block dowel (No. 6x2 1-2") 3C1
Pin-jaw-guide-rod Stand clamp screw 23C1
Air-pin Plate dowel (2) 4C1
Pin-jaw-guide-rod Fibre Stop 21C
Pin-jaw Guide Rod 20C
Mold-blade Operating Rod sizing spring 16C10
Obsolete
Mold-blade Operating Rod ejecting spring abutment 16C3
Matrix Jaw (rear) 9C
Air-pin Plate screw (4) 4C2
Matrix Jaw screw (for Tongs) 9C1
Cross-slide-extension Shoe 6C
Matrix-jaw Stop Rack a12C

16C4 Mold-blade Operating Rod ejecting spring sleeve
a12C Matrix-jaw Stop Rack
4C2 Air-pin Plate screw (4)
16C2 Mold-blade Operating Rod ejecting spring (2)
16C Mold-blade Operating Rod
16C6 Mold-blade Operating Rod fork pin
16C5 Mold-blade Operating Rod fork
2C Air Pin (fixed)
18C2 Pin Jaw stud nut
18C3 Pin Jaw stud washer
22C Pin-jaw-guide-rod Stand (front)
5C6 Cross Slide plate screw (3)
16C7 Mold-blade Operating Rod fork pin spring
16C8 Mold-blade Operating Rod fork pin spring screw (2)
7C2 Cross-slide Guide screw (4)
5C1 Cross Slide draw rod
a10C Matrix-jaw Stop (front) (not like cut)
a10C1 Matrix-jaw Stop rivet (2) (not like cut)
Obsolete
3C2 Air-pin Block dowel (No. 6x2")
3C5 Air-pin Block screw (5-16"x2 1-2") (2)
a13C Matrix-jaw-stop-rack Locking Bar (rear)

PLATE C1

PLATE C2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 544 to 4658 inclusive (except 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive) were equipped with the following part:

CROSS SLIDE a5C

Machines 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive, 4658 to 5292 inclusive, were equipped with the following part:

CROSS SLIDE b5C

Machines 5293 and following are equipped with the following parts:

CROSS SLIDE c5C
- plate a5C9
- " rivet (long) (2) a5C10
- " " (short) a5C11

Machines prior to 3882 were equipped with the following part:

CROSS SLIDE draw rod 5C1

Machines 3883 to 4658 inclusive (except 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive) were equipped with the following part:

CROSS SLIDE draw rod a5C1

Machines 4508 to 4512 inclusive, 4533 to 4537 inclusive, 4573 to 4582 inclusive, 4589 to 4602 inclusive, 4618 to 4647 inclusive, 4658 and following are equipped with the following parts:

CROSS SLIDE draw rod b5C1
- extension a5C3
- " rivet (short) a5C7

And omit 5C5, 5C6.

Machines having the Low Quad Device are equipped with:

CROSS SLIDE guide a7C

Machines 3603 and following are equipped with the following parts:

MATRIX JAW (front) a8C
And omit 8C1 and 8C2.
MATRIX JAW (rear) a9C
And omit 9C1 and 9C2.

Machines 520 to 3882 inclusive were equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR
- bearing a13C1
- " lock nut a13C2

Machines 520 to 3602 inclusive were equipped with the following part:

MATRIX-JAW-STOP-RACK LOCKING BAR (special) a13C

Machines 3603 to 3882 inclusive were equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR b13C
- key a13C3

Machines 3883 and following are equipped with the following parts:

MATRIX-JAW-STOP-RACK LOCKING BAR (rear) c13C
- connecting rod a13C4
- " " adj. nut a13C5
- " " lock nut a13C6
- " " washer a13C7
- spring a13C8
- " abutment a13C9
- stop washer a13C10
- yoke a13C11

And omit a13C1, a13C2, and a13C3.

For machines prior to 3965 order:

MOLD-BLADE ABUTMENT SLIDE a14C

Machines 2356 and following are equipped with the following part:

MOLD-BLADE ABUTMENT SLIDE anvil a14C3
And omit 14C4.

Machines 2709 to 3965 inclusive were equipped with the following parts:

MOLD-BLADE ABUTMENT SLIDE
- adjusting screw a14C1
- lock screw a14C2
- abutment screw a14C9

Machines 3966 and following are equipped with the following parts:

MOLD-BLADE ABUTMENT SLIDE b14C
- abutment screw b14C1
- " " lock spring a14C10
- " " nut a14C12
- " " spring (spiral) a14C13
- pin (for a14C10) a14C11

And omit a14C2 and a14C9.

Machines 3883 and following are equipped with the following part:

PIN JAW (front) a18C

Machines 2685, 2751 and 2755 to 3612 inclusive were equipped with the following parts:

WEDGE COVER a24C10
- bracket a24C2
- lever a24C3
- screw (long) (2) a24C4
- " " (short) a24C5
- " stud a24C6
- " " cotter a24C7
- rivet a24C9

4C2 Air-pin Plate screw (4)

3C4 Air-pin Block screw (5-16″x1 5-8″) (2)

4C1 Air-pin Plate dowel (2)

18C Pin Jaw (front)

a4C Air-pin Plate

18C1 Pin Jaw stud (for Tongs)

19C Pin Jaw (rear)

8C1 Matrix Jaw screw (for Tongs)

3C4 Air-pin Block screw (5-16″x1 5-8″) (2)

19C2 Pin Jaw stud nut

19C1 Pin Jaw stud (for Tongs)

19C3 Pin Jaw stud washer

9C Matrix Jaw (rear)

16C10 Mold-blade Operating Rod sizing spring

9C2 Matrix Jaw screw cover

3C5 Air-pin Block screw (5-16″x2 1-2″) (2)

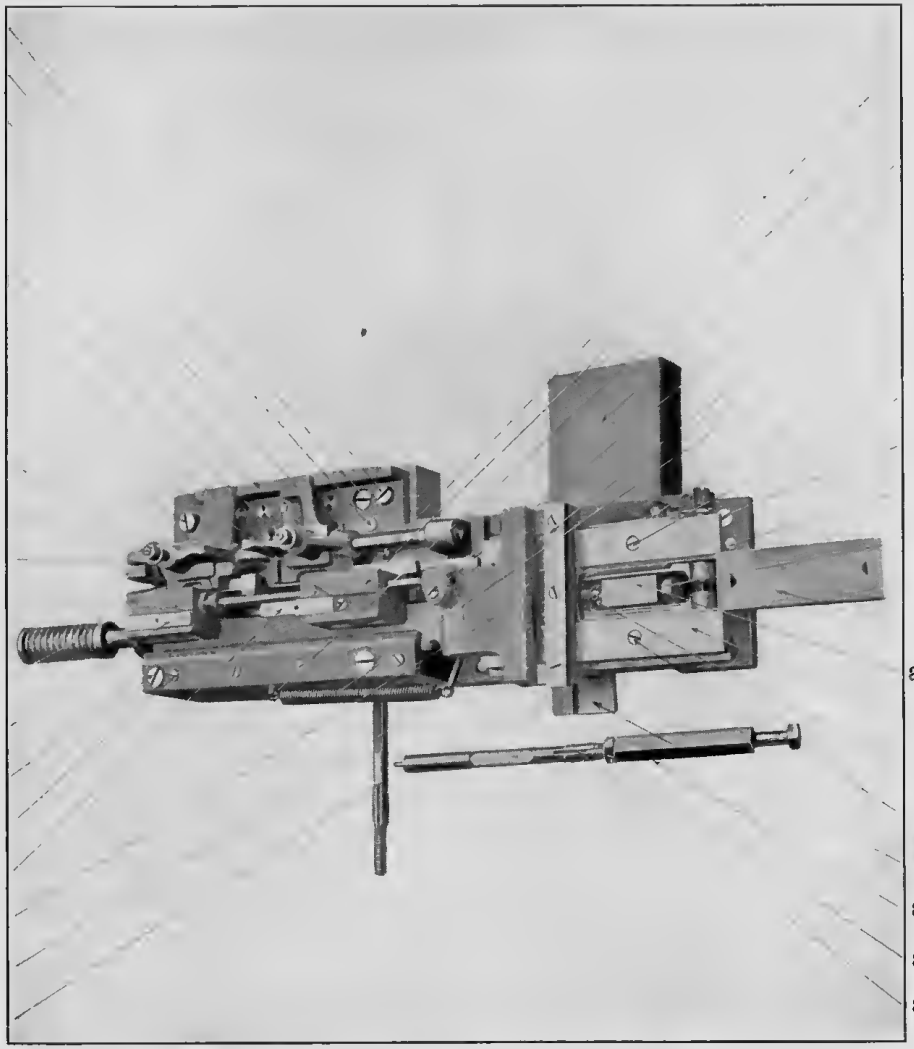
6C1 Cross-slide-extension Shoe screw (small) (4)

8C2 Matrix Jaw screw cover

a5C Cross Slide

14C8 Mold-blade Abutment Slide spring post

a13C Matrix-jaw-stop-rack Locking Bar (rear)



4C2 Air-pin Plate screw (4)

8C Matrix Jaw (front)

6C2 Cross-slide-extension Shoe spring post

24C Wedge Cover

a5C2 Cross Slide draw rod clamp screw

5C5 Cross Slide p'ate (Bearing for Matrix Case)

15C Mold-blade-abutment-slide Spring

24C1 Wedge Cover screw

7C2 Cross-slide Guide screw (4)

3C6 Air-pin Block screw (1-4″x5-8″) (2)

3C3 Air-pin Block dowel (No. 5x1 1-4″)

14C1 Mold-blade Abutment Slide adjusting screw

7C1 Cross-slide Guide cover plate

a14C Mold-blade Abutment Slide

7C Cross-slide Guide

14C2 Mold-blade Abutment Slide adjusting screw lock screw

7C2 Cross-slide Guide screw (4)

17C Normal-wedge Abutment (on rear Air-pin Block)

a13C1 Matrix-jaw-stop-rack Locking Bar bearing (for Lever)

a13C2 Matrix-jaw-stop-rack Locking Bar bearing lock nut

a13C Matrix-jaw-stop-rack Locking Bar (rear)

PLATE C2

PLATE C3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1843 to 3882 inclusive were equipped with the following part:
AIR-PIN BLOCK (rear) a3C

Machines 3883 and following are equipped with the following part:
AIR-PIN BLOCK (rear) b3C

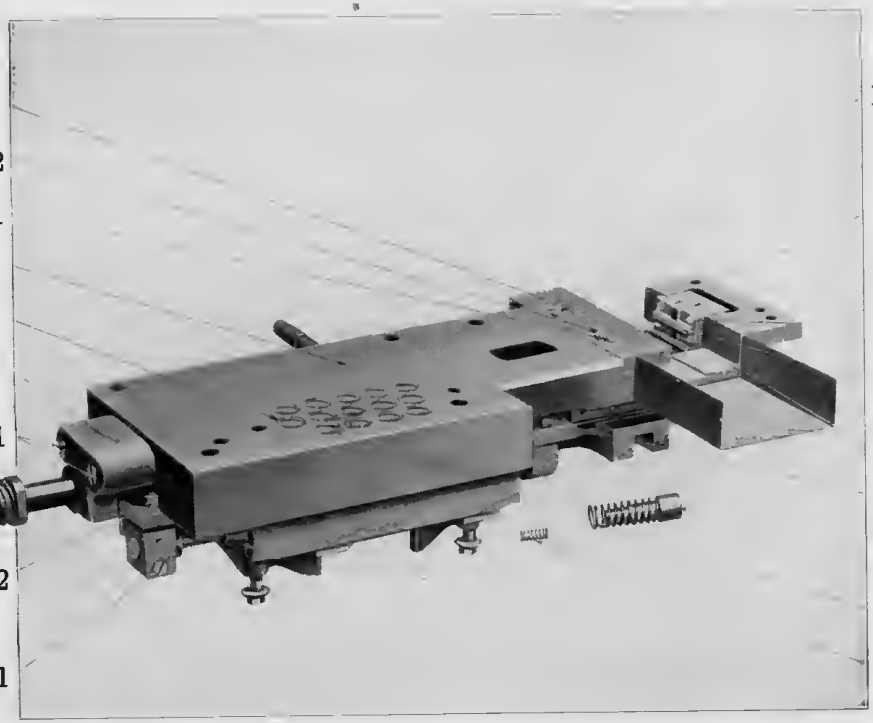
Machines 3603 to 3882 inclusive were equipped with the following part:
MATRIX-JAW STOP (rear) a11C

Machines 3883 and following are equipped with the following part:
MATRIX-JAW STOP (rear) b11C

For machines prior to 3965 order:
MOLD-BLADE ABUTMENT SLIDE a14C

Machines 2356 and following are equipped with the following part:
MOLD-BLADE ABUTMENT SLIDE anvil a14C3
And omit 14C4

Machines 3966 and following are equipped with the following part:
MOLD-BLADE ABUTMENT SLIDE b14C



Normal-wedge Abutment (on rear Air-pin Block) 17C

Normal-wedge Abutment screw (2) 17C2

Normal-wedge Abutment dowel (2) 17C1

Air-pin Block (rear) 3C

Air Pin (14) 1C

Matrix-jaw Stop (rear) 11C

Matrix-jaw Stop screw (2) 11C1

Pin-jaw-guide rod Stand nut 23C2

Pin-jaw-guide-rod Stand (rear) 23C

Pin-jaw-guide-rod Stand clamp screw 23C1

17C1 Normal-wedge Abutment dowel (2)

17C2 Normal-wedge Abutment screw (2)

14C3 Mold-blade Abutment Slide anvil

14C Mold-blade Abutment Slide

14C4 Mold-blade Abutment Slide anvil dowel (2)

14C5 Mold-blade Abutment Slide anvil plunger

14C7 Mold-blade Abutment Slide anvil screw (2)

22C1 Pin-jaw-guide-rod Stand nut

1C Air Pin (14)

1C1 Air Pin spring (14)

14C6 Mold-blade Abutment Slide anvil plunger spring (3)

PLATE C3

PLATE D1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 923 to 3882 inclusive were equipped with the following part:
AIR-PIN BLOCK (justification) a3D

Machines 3883 to 4602 inclusive were equipped with the following part:
AIR-PIN BLOCK (justification) b3D

Machines 4063 and following are equipped with the following part:
AIR-PIN BLOCK (justification) c3D

Machines 923 and following are equipped with the following part:
AIR-PIN BLOCK set screw (for 7D) a3D12

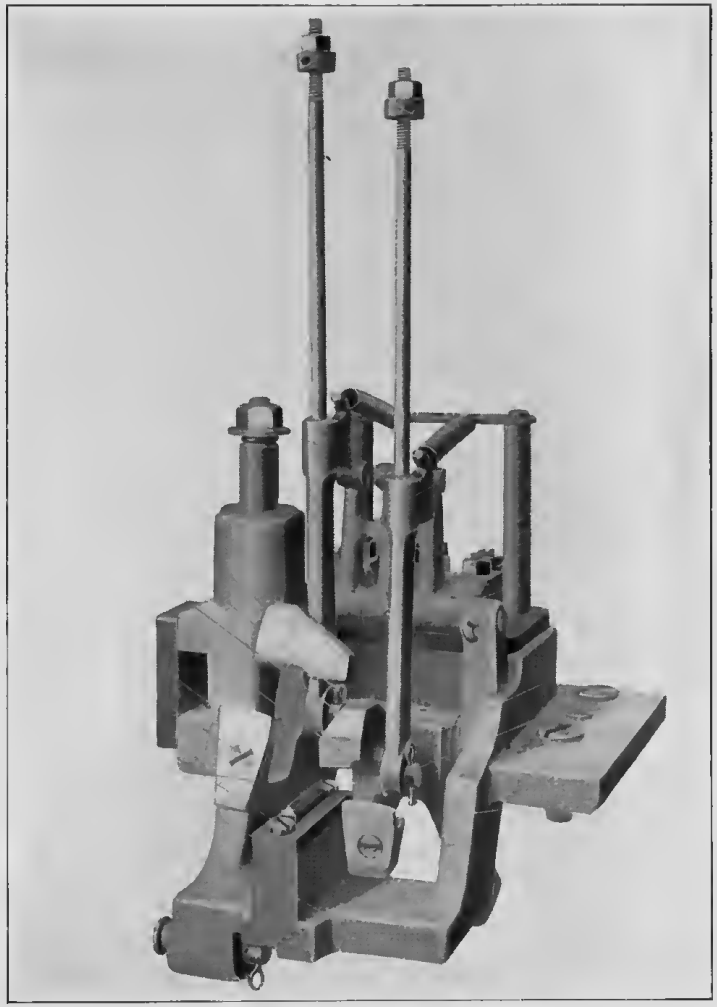


PLATE D1

- 15D2 Justification-wedge-lever Arm adjusting nut lock nut (2)
- 15D1 Justification-wedge-lever Arm adjusting nut (2)
- 15D3 Justification-wedge-lever Arm rod (2)
- 15D Justification-wedge-lever Arm (2)
- 14D Justification-wedge Lever (for front, or .0075″ Wedge)
- 14D2 Justification-wedge Lever pin cotter
- 14D1 Justification-wedge Lever pin (for Arm)
- 13D Justification wedge Lever (for back, or .0005″ Wedge)
- 14D3 Justification-wedge Lever plate
- 14D4 Justification-wedge Lever plate screw
- 12D1 Justification-wedge Centering Tooth screw (2)
- 12D Justification-wedge Centering Tooth
- 3D Air-pin Block (justification)
- 48D2 Pump-trip Operating Lever fulcrum pin cotter
- 48D1 Pump-trip Operating Lever fulcrum pin

- 15D2 Justification-wedge-lever Arm adjusting nut lock nut (2)
- 15D1 Justification-wedge-lever Arm adjusting nut (2)
- 15D3 Justification-wedge-lever Arm rod (2)
- 15D Justification-wedge-lever Arm (2)
- 6D3 Bell Crank stop screw
- 6D1 Bell Crank abutment screw (for An Pin)
- 6D2 Bell Crank abut. screw l'k nut and stop screw lock nut 6D4
- 6D Bell Crank (right, for Lever Arm for .0005″ Wedge)

Obsolete

- 13D2 Justification-wedge Lever pin cotter
- 13D1 Justification-wedge Lever pin (for Arm)
- 3D4 Air-pin Block dowel (2)
- 3D5 Air-pin Block screw (4)
- 13D3 Justification-wedge Lever plate
- 13D4 Justification-wedge Lever plate screw

PLATE D2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 923 to 3882 inclusive were equipped with the following part:
AIR-PIN BLOCK (justification) ... a3D

Machines 3883 to 4602 inclusive were equipped with the following part:
AIR-PIN BLOCK (justification) ... b3D

Machines 4063 and following are equipped with the following part:
AIR-PIN BLOCK (justification) ... c3D

Machines 4173 and following are equipped with the following part:
AIR-PIN BLOCK cover plate ... a3D1
And omit a3D14

Machines 3603 to 4062 inclusive were equipped with the following part:
AIR-PIN BLOCK shoe (for front Locking Bar) ... 3D6

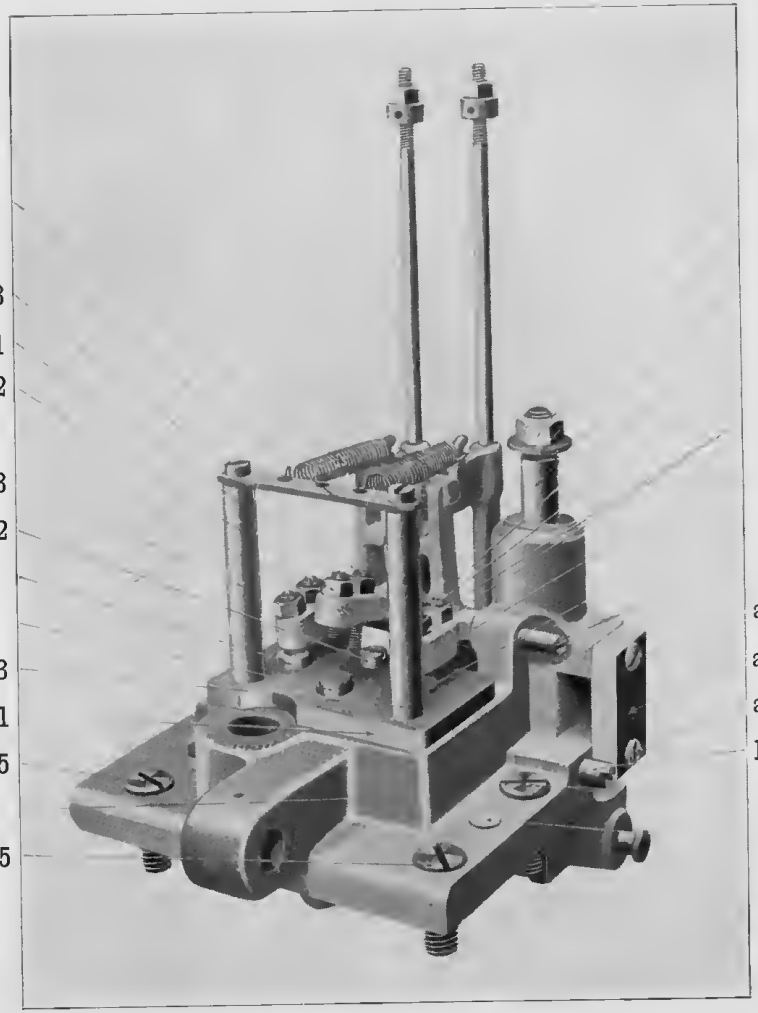
Machines 502 to 3602 inclusive were equipped with the following part:
AIR-PIN BLOCK shoe (for front Locking Bar) ... a3D6

Machines 4063 and following are equipped with the following part:
AIR-PIN BLOCK shoe ... b3D6

Machines 520 to 3602 inclusive were equipped with the following part:
AIR-PIN BLOCK guide screw (for rear Locking Bar) ... a3D11

Machines 923 and following are equipped with the following part:
AIR-PIN BLOCK set screw (for 7D) ... a3D12

Machines 3883 to 4172 inclusive were equipped with the following part:
AIR-PIN BLOCK retaining plate ... a3D14



Justification-wedge-lever-arm Spring (2) 16D

Justification-wedge-lever-arm-spring Plate 17D

Bell Crank stop screw 4D3

Bell Crank abutment screw (for Air Pin) 4D1

Bell Crank abutment screw lock nut 4D2

Bell Crank (center, for Lever Arm for Transfer-wedge Shifter) 4D

Air-pin Block cover plate screw (long) (2) 3D3

Air-pin Block cover plate screw 3D2

Air Pin (justification, outside) (2) 1D

Air Pin (space, central) 2D

Air-pin Block cover plate screw (long) (2) 3D3

Air-pin Block cover plate 3D1

Air-pin Block screw (4) 3D5

Air-pin Block (justification) 3D

Air-pin Block screw (4) 3D5

3D9 Air-pin Block stud nut

3D10 Air-pin Block stud washer

3D8 Air-pin Block stud (for front Pin-jaw Tongs)

5D3 Bell Crank stop screw

5D1 Bell Crank abutment screw (for Air Pin)

5D2 Bell Crank abutment screw lock nut and stop screw lock nut 5D4

5D Bell Crank (left, for Lever Arm for .0075" Wedge)

1D Air Pin (justification, outside) (2)

7D Bell-crank Fulcrum Pin

a3D7 Air-pin Block shoe screw (2)

a3D6 Air-pin Block shoe (for front Locking Bar)

a3D7 Air-pin Block shoe screw (2)

18D Justification-wedge-lever Fulcrum Pin

3D5 Air-pin Block screw (4)

3D4 Air-pin Block dowel (2)

PLATE D2

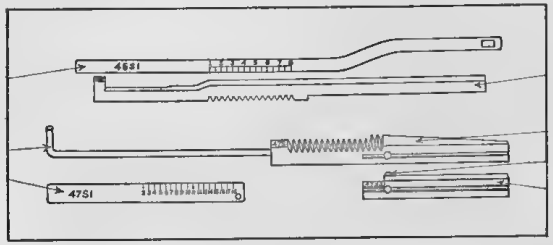
PLATE D3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1923 and following are equipped with the following part:
GALLEY TRIP ROD a8D

Machines 5503 and following are equipped with the following parts:
PUMP TRIP (hand, complete) group Xa35H
MAIN GALLEY STAND stud a31F7

Machines prior to 2997 having the Display Type Attachment were equipped with the following parts:



JUSTIFICATION WEDGE gage 69D1
NORMAL WEDGE handle a21D2
NORMAL WEDGE gage 70D1

a11D1 JUSTIFICATION WEDGE
a21D1 NORMAL WEDGE
a21D4 NORMAL WEDGE packing piece pin
a21D3 NORMAL WEDGE packing piece

Machines 2997 and following having the Display Type Attachment are equipped with the above illustrated parts except a21D3 and a21D4, for which substitute:
MOLD-BLADE-ABUTMENT-SCREW PACKING PIECE 32C1

Machines from 2997 to those shipped after November, 1926 having the Display Type Attachment were equipped with the following parts:
NORMAL WEDGE b21D1
handle a21D2

Machines having the Display Type Attachment after November, 1926 were equipped with the following parts:
NORMAL WEDGE c21D1
handle b21D2
c21D1 assembled with b21D2 is interchangeable with b21D1 assembled with a21D2 Order b21D1D.

Machines having the Display Type Attachment after August, 1923 are equipped with the following part:
GAGE a69D1
Which combines the two Gages 69D1 and 70D1.

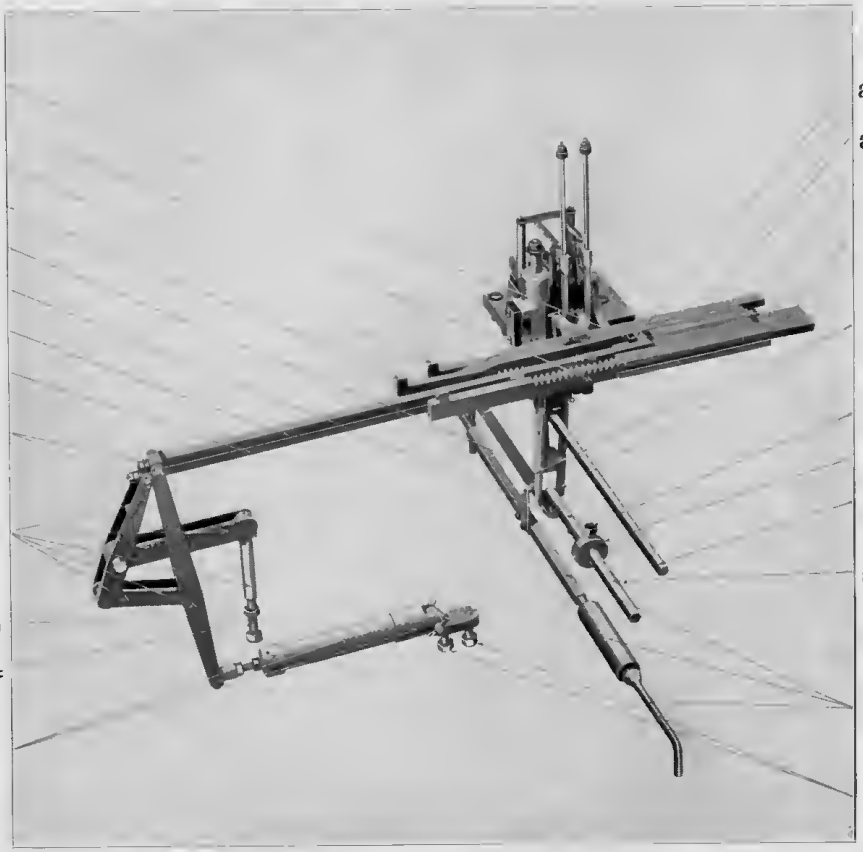

Space Transfer Wedge adjusting screw 52D1
Normal Wedge 21D
Justification Wedge (rear, or .0005") 11D
Justification Wedge (front, or .0075") 10D
Pump-trip Spring 50D
Pump-trip Spring plate (2) 50D1
Space-transfer-wedge Operating Rod 53D
Type-transfer-wedge Operating Rod 63D
Space-transfer-wedge Operating Rod nut 53D1
Type-transfer-wedge Operating Rod nut 63D1
Space-transfer-wedge Operating Rod nut lock nut 53D2
Type-transfer-wedge Operating Rod nut lock nut 63D2
Transfer Tongs (complete) 59D
Transfer-wedge-cam Lever extension adjusting bolt lock nut 70E5
Transfer-wedge-cam Lever extension adjusting bolt 70E4
Transfer-wedge Spring Box (complete) 60D
a53D4 Space-transfer-wedge Operating Rod yoke
a52D Space Transfer Wedge
52D2 Space Transfer Wedge adjusting screw lock nut
62D Type Transfer Wedge
48D Pump-trip Operating Lever (2)
49D2 Pump-trip Tube collar set screw
49D1 Pump-trip Tube collar
8D Galley Trip Rod
a49D Pump-trip Tube
35H Pump Trip (hand, complete)
61D1 Transfer-wedge-spring-box Stand bolt (2)

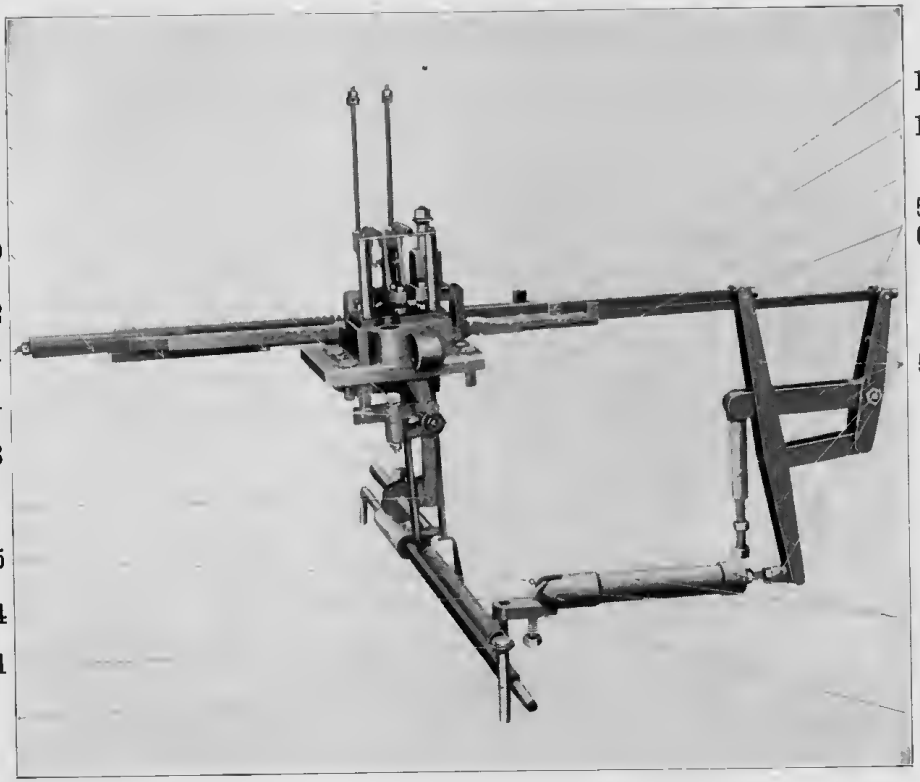
PLATE D3

PLATE D4

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1923 and following are equipped with the following part:

GALLEY-TRIP-ROD ARM a9D



GALLEY-TRIP-ROD ARM rock lever fulcrum pin 9D2

TYPE-TRANSFER-WEDGE OPERATING ROD pin 63D3

TYPE TRANSFER WEDGE 62D

SPACE TRANSFER WEDGE a52D

SPACE TRANSFER WEDGE adjusting screw lock nut 52D2

SPACE TRANSFER WEDGE adjusting screw 52D1

GALLEY-TRIP-ROD ARM rock lever 9D1

GALLEY-TRIP-ROD ARM rock lever fulcrum pin nut 9D3

GALLEY-TRIP-ROD ARM 9D

TRANSFER-WEDGE SPRING BOX forked eye pin cotter (2) 60D5

TRANSFER-WEDGE SPRING BOX forked eye pin 60D4

PUMP-TRIP SPRING plate (2) 50D1

PUMP-TRIP-TUBE SPRING POST (in Main Stand) 51D

10D JUSTIFICATION WEDGE (front, or .0075")

11D JUSTIFICATION WEDGE (rear, or .0005")

8D1 GALLEY TRIP ROD nut

53D3 SPACE-TRANSFER-WEDGE OPERATING ROD washer (rawhide)

63D4 TYPE-TRANSFER-WEDGE OPERATING ROD washer (rawhide)

59D TRANSFER TONGS (complete)

60D TRANSFER-WEDGE SPRING BOX (complete)

61D TRANSFER-WEDGE-SPRING-BOX STAND

PLATE D4

PLATE E1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 520 to 2707 inclusive were equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar (front)		a13B
	bearing (for b29E)	a13B1
	" lock nut	a13B2
	tube	a13B3

Machines 2708 to 3602 inclusive were equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar (front)		b13B
	bearing (for b29E)	b13B1
	" lock nut	a13B2

And omit a13B3.

Machines 3603 to 3882 inclusive were equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar (front)		c13B
	bearing (for c29E)	b13B1
	" lock nut	a13B2

Machines 3883 and following are equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar (front)		d13B
	connecting bar	a13B4
	spring	a13B5

And omit b13B1 and a13B2.

Matrix-jaw-stop-rack Locking Bar (rear)		13C
	bearing (for lever)	13C1
	bolt	13C2
	tube	13C3

Machines 520 to 3882 inclusive were equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar		
	bearing	a13C1
	" lock nut	a13C2

Machines 3603 to 3882 inclusive were equipped with the following parts:

Matrix-jaw-stop-rack Locking Bar (rear)		b13C
	key	a13C3

Machines 3883 and following are equipped with the following parts:

Matrix-stop-jaw-rack Locking Bar (rear)		c13C
	connecting rod	a13C4
	" " adj. nut	a13C5
	" " lock nut	a13C6
	" " washer	a13C7
	spring	a13C8
	" abutment pin	a13C9
	stop washer	a13C10
	yoke	a13C11

And omit a13C1, a13C2, and a13C3.

Machines 1603 to 3602 inclusive were equipped with the following parts:

Locking-bar Bell Crank (lower)		b28E
	(upper)	b29E

Machines 3603 to 3882 inclusive were equipped with the following parts:

Locking-bar Bell Crank (lower)		c28E
	(upper)	c29E

Machines 3883 and following are equipped with the following parts:

Locking-bar Bell Crank		d28E
	pin (3)	a28E3

And omit 28E1, c29E, 29E1, a30E, a30E1, and 31E.

Machines 3883 and following were not equipped with the following part:

Locking-bar Bell Crank spring post		28E1
" "		29E1

Machines 3603 and following were not equipped with:

Locking-bar Bell Crank fulcrum pin		a28E2
" "		a29E2

Machines 3603 to 3882 inclusive were equipped with the following parts:

Locking-bar-bell-crank Spring (2)		a30E
	plate (4)	a30E1

Machines 3883 and following are not equipped with the following part:

Locking-bar-bell-crank-spring-Post		31E

Machines 3382 and following are equipped with the following parts:

Locking-bar Operating Rod		b33E
	eye	a33E10
	spring	b33E7

And omit b33E and a33E8.

Machines 502 to 3602 inclusive were equipped with the following part:

Locking-bar Operating Rod bearing block		a33E1

Machines 3603 to 3882 inclusive were equipped with the following part:

Locking-bar Operating Rod bearing block		b33E1

Machines 502 to 3882 inclusive were equipped with the following part:

Locking-bar Operating Rod stop		a33E8

Machines 2710 and following are equipped with the following part:

Locking-bar Operating Rod spring washer		a33E9

Machines 3603 and following were not equipped with the following parts:

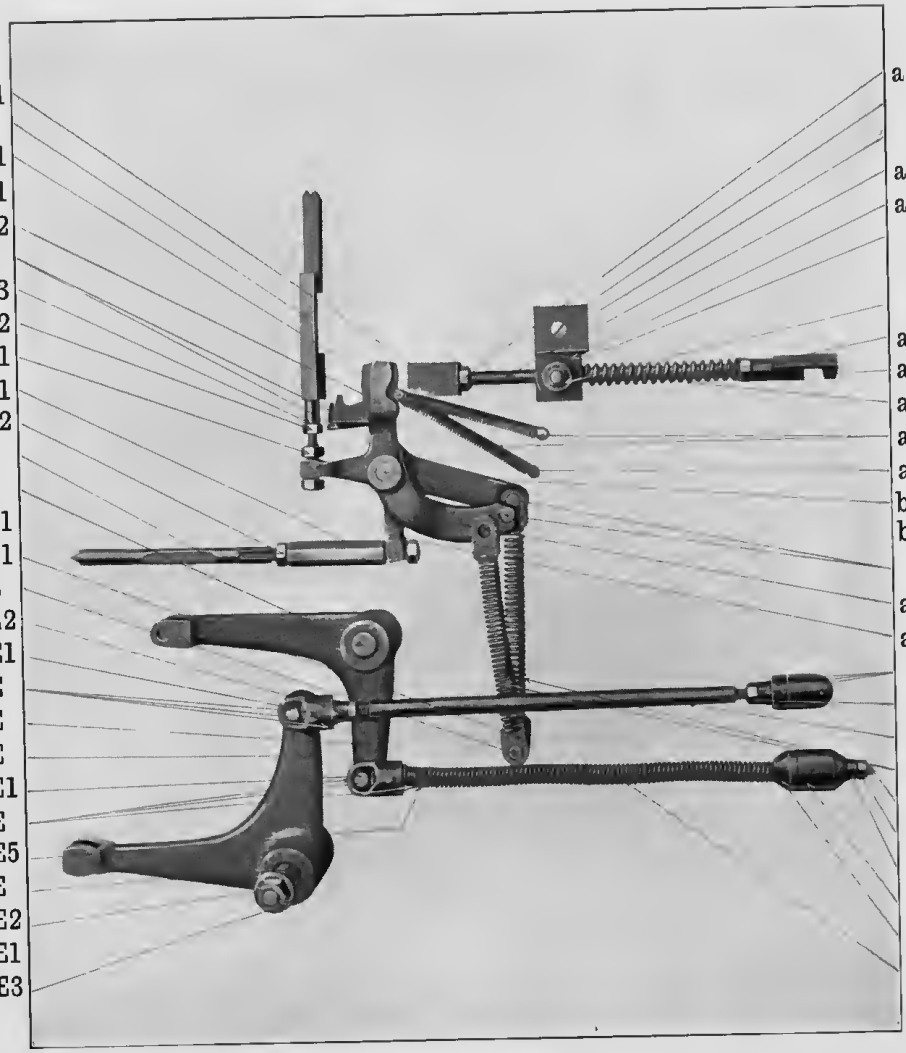
Locking-bar-bell-crank Latch (lower)		a82E
	spring post	a82E1
Locking-bar-bell-crank Latch (upper)		a83E
	spring post	a83E1

Machines 2003 to 3602 inclusive were equipped with the following parts:

Locking-bar-bell-crank-latch Spring (2)		b84E
	plate (long) (2)	a84E1
	" (short) (2)	a84E2

Machines 3603 and following were not equipped with the following part:

Locking-bar-bell-crank-latch-spring Post		a85E



Locking-bar Operating Rod bearing block a33E1
Matrix-jaw-stop-rack Locking Bar (front) a13B
Locking-bar-bell-crank Latch spring post a83E1
Locking-bar-bell-crank Latch spring post (not shown) a82E1
Locking-bar Bell Crank fulcrum pin (for Latch) a29E2
Locking-bar-bell-crank Latch (lower) also (upper) a83E a82E
Matrix-jaw-stop-rack Locking Bar tube a13B3
Matrix-jaw-stop-rack Locking Bar bearing lock nut a13B2
Matrix-jaw-stop-rack Locking Bar bearing (for Lever) a13B1
Matrix-jaw-stop-rack Locking Bar bearing (for Lever) a13C1
Matrix-jaw-stop-rack Locking Bar bearing lock nut a13C2
Matrix-jaw-stop-rack Locking Bar (rear) a13C
Type-pusher-bell-crank Fulcrum Stud 74E
Type-pusher-bell-crank Fulcrum Stud nut (not shown) 74E1
Locking-bar-bell-crank Spring plate (4) 30E1
Locking-bar-bell-crank-spring Post (in Main Stand) 31E
Mold-blade Connecting Rod lock nut (L. H.) 45E2
Mold-blade Bell Crank ball stud 41E1
Mold-blade-connecting-rod Ball Socket (on Bell Crank) 47E
Type-pusher Bell Crank 73E
Mold-blade Bell Crank 41E
Type-pusher Bell Crank ball stud 73E1
Type-pusher-connecting-rod Ball Socket (Bell Crank end) 78E
Type-pusher Conn. Rod l'k nut (for Bell-crank-ball-socket Plug) 77E5
Mold-blade-bell-crank Stud 42E
Mold-blade-bell-crank Stud nut (upper) 42E2
Mold-blade-bell-crank Stud nut (lower) (not shown) 42E1
Mold-blade-bell-crank Stud washer 42E3

a33E2 Locking-bar Operating Rod bearing block lock nut
19D Justification-wedge Stop Block
19D1 Justification-wedge Stop Block screw
a33E Locking-bar Operating Rod
a39E Matrix-jaw-tongs Stud (front, in Main Stand)
39E2 Matrix-jaw-tongs Stud nut (upper)
39E1 Matrix-jaw-tongs Stud nut (lower) (not shown)
39E3 Matrix-jaw-tongs Stud washer (replaced by a39E3)
a33E6 Locking-bar Operating Rod eye lock nut (L. H.)
a33E5 Locking-bar Operating Rod eye
a33E7 Locking-bar Operating Rod spring
a84E Locking-bar-bell-crank-Latch Spring (2)
a85E Locking-bar-bell-crank-Latch-spring Post (in Main Stand)
b32E Locking-bar-bell-crank Stud (in Main Stand)
b32E1 Locking-bar-bell-crank Stud nut (not shown)
29E1 Locking-bar Bell Crank spring post, also 28E1
a29E Locking-bar Bell Crank (upper, for front Bar)
a28E Locking-bar Bell Crank (lower, for rear Bar)
46E Mold-blade-connecting-rod Ball Socket (on Cam Lever)
45E1 Mold-blade Connecting Rod lock nut
45E Mold-blade Connecting Rod
30E Locking-bar-bell-crank Spring (2)
77E Type-pusher Connecting Rod
77E4 Type-pusher Connecting Rod ball socket nut lock nut
77E3 Type-pusher Connecting Rod ball socket nut
77E1 Type-pusher Connecting Rod ball socket (long, Cam Lever end)
77E2 Type-pusher Connecting Rod ball socket (short, Cam Lever end)
a77E7 Type-pusher Connecting Rod spring (a77E6 inside)

PLATE E1

PLATE E2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 3883 and following are equipped with the following part:

Jaw-tongs Bell Crank (upper)	b21E10

Machines 3883 to 4062 inclusive were equipped with the following parts:

Jaw-tongs Bell Crank retaining block	a21E12
" " rivet (2)	a21E13

Machines 2613, 2615 and following are equipped with the following part:

Jaw-tongs Spring Box spring rod (lower) (Plug for Ball Socket)	b26E14

Machines 3603 and following are equipped with the following parts:

Matrix-jaw Tongs	
lever (rear, lower)	a38E7
" distance piece	a38E8
(rear, upper)	a38E11
fulcrum pin	a38E13
" ring	a38E14
lock slide	a38E15
" spring	a38E16

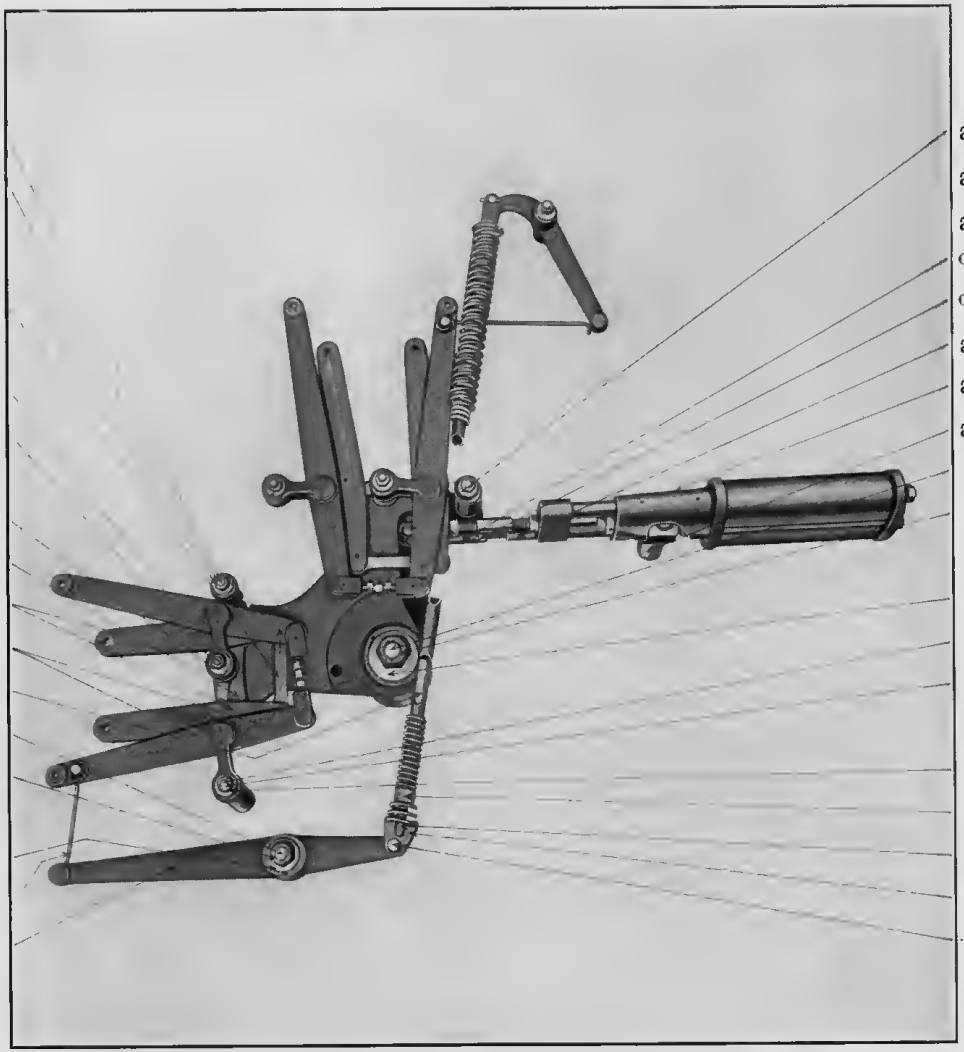
Machines 4586 and following are equipped with the following parts:

Matrix-jaw-tongs Connecting Link	b38E1

And omit 38E2

Machines 3603 and following are equipped with the following part:

Pin-jaw-tongs-spring Lever (rear)	a62E



Matrix-jaw-tongs Stud (rear, in Justification-air-pin Block) 40E

Matrix-jaw-tongs Stud nut (upper) 40E2

Matrix-jaw-tongs Stud nut (lower) (not shown) 40E1

Matrix-jaw-tongs Stud washer 40E3

Matrix-jaw Tongs connecting link (2) a38E1

Pin-jaw Tongs (rear, complete) 56E

Jaw-tongs Bell Crank stud (short) 21E6

Jaw-tongs Bell Crank stud nut (upper) 21E4

Jaw-tongs Bell Crank stud nut (lower) (not shown) 21E3

Jaw-tongs Bell Crank stud washer 21E5

Jaw-tongs Bell Crank (lower) a21E

Matrix-jaw Tongs (rear, complete) a38E

Pin-jaw Tongs (rear, complete) 56E

Pin-jaw-tongs Spring guide rod 57E6

Mold-blade-bell-crank Stud 42E

Mold-blade-bell-crank Stud nut (upper) 42E2

Mold-blade-bell-crank Stud nut (lower) (not shown) 42E1

Mold-blade-bell-crank Stud washer 42E3

Pin-jaw-tongs-spring Connecting Link (short, rear) 61E

Pin-jaw-tongs-spring Lever (rear) 62E

a21E11 Jaw-tongs Bell Crank ball stud

a21E1 Jaw-tongs Bell Crank ball stud (not shown)

a21E10 Jaw-tongs Bell Crank (upper)

Obsolete

Obsolete

a26E14 Jaw-tongs Spring Box spring rod (lower) (Plug for Ball Socket)

a26E Jaw-tongs Spring Box (complete)

a26E1 Jaw-tongs Spring Box ball extension

22E Jaw-tongs-bell-crank Fulcrum Stud

22E2 Jaw-tongs-bell-crank Fulcrum Stud nut (upper)

22E1 Jaw-tongs-bell-crank Fulcrum Stud nut (lower) (not shown)

22E3 Jaw-tongs-bell-crank Fulcrum Stud washer

63E Pin-jaw-tongs Stud (rear, in Main Stand)

63E2 Pin-jaw-tongs Stud nut (upper)

63E1 Pin-jaw-tongs Stud nut (lower) (not shown)

63E3 Pin-jaw-tongs Stud washer

57E4 Pin-jaw-tongs Spring guide tube nut

57E8 Pin-jaw-tongs Spring guide rod spring plate rivet

57E7 Pin-jaw-tongs Spring guide rod spring plate

62E2 Pin-jaw-tongs-spring Lever pin (for Guide-rod Spring Plate)

PLATE E2

PLATE E2—Continued

Before ordering parts consult the Casting Machine Price List of Parts

Machines 3883 and following are equipped with the following part:

JAW-TONGS BELL CRANK (upper) b21E10

Machines 3883 to 4062 inclusive were equipped with the following parts:

JAW-TONGS BELL CRANK retaining block a21E12
" " river (2) a21E13

Machines 2013, 2015 and following are equipped with the following parts:

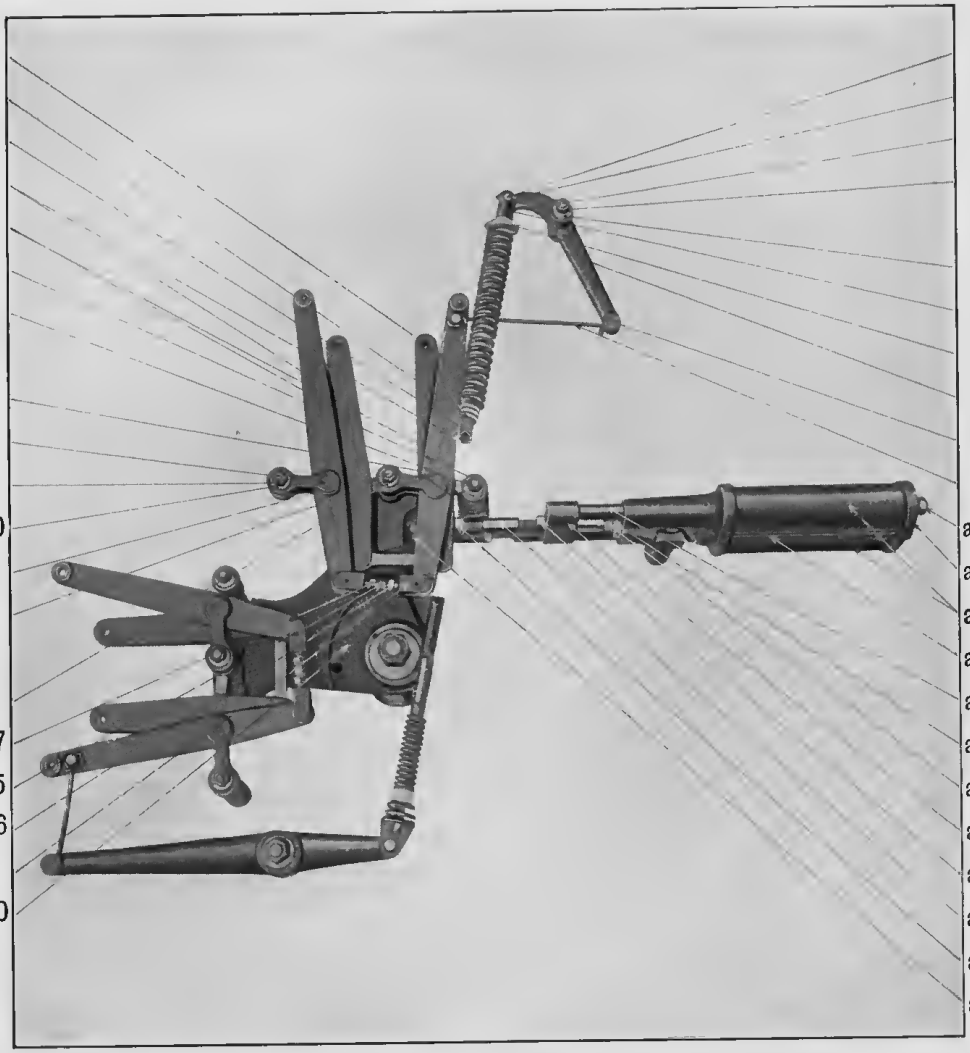
JAW-TONGS SPRING BOX spring rod (upper) b26E17
" " nut lock nut b26E20

Machines 3603 and following are equipped with the following part:

MATRIX-JAW TONGS (complete) Xa37E

Machines 3603 and following are equipped with the following part:

PIN-JAW-TONGS-SPRING BELL CRANK (front) a58E



- 57E1 — Pin-jaw-tongs Spring (outside)
- 57E — Pin-jaw-tongs Spring (inside)
- 57E2 — Pin-jaw-tongs Spring guide tube
- a55E — Pin-jaw Tongs (front, complete)
- 37E — Matrix-jaw Tongs (front, complete)
- a39E3 — Matrix-jaw-tongs Stud washer (replaced by a39E3)
- 39E2 — Matrix-jaw-tongs Stud nut (upper)
- 39E1 — Matrix-jaw-tongs Stud nut (lower) (not shown)
- a39E — Matrix-jaw-tongs Stud (front, in Main Stand)
- 3D8 — Air-pin Block stud (for front Pin-jaw Tongs)
- 3D9 — Air-pin Block stud nut
- 3D10 — Air-pin Block stud washer
- 21E2 — Jaw-tongs Bell Crank stud (long)
- 21E8 — Jaw-tongs Bell Crank stud nut (upper)
- 21E7 — Jaw-tongs Bell Crank stud nut (lower) (not shown)
- 21E9 — Jaw-tongs Bell Crank stud washer
- a55E17 — Pin-jaw Tongs connecting eye adjusting stud lock nut (L. H.)
- a55E15 — Pin-jaw Tongs connecting eye adjusting stud
- a55E16 — Pin-jaw Tongs connecting eye adjusting stud lock nut
- a55E1 — Pin-jaw Tongs connecting eye
- a21E10 — Jaw-tongs Bell Crank (upper)

- 58E2 — Pin-jaw-tongs-spring Bell Crank pin (for Guide tube Eye)
- 58E3 — Pin-jaw-tongs-spring Bell Crank pin cotter
- 59E — Pin-jaw-tongs-spring-bell-crank Stud
- 59E2 — Pin-jaw-tongs-spring-bell-crank Stud nut (upper)
- 59E1 — Pin-jaw-tongs-spring-bell-crank Stud nut (lower) (not sh)
- 59E3 — Pin-jaw-tongs-spring-bell-crank Stud washer
- 57E3 — Pin-jaw-tongs Spring guide tube eye
- 57E5 — Pin-jaw-tongs Spring guide tube spring sleeve
- 58E — Pin-jaw-tongs-spring Bell Crank (front)
- 58E1 — Pin-jaw-tongs-spring Bell Crank pin (for Link)
- 60E — Pin-jaw-tongs-spring Connecting Link (long, front)
- a26E20 — Jaw-tongs Spring Box spring rod nut lock nut
- a26E28 — Jaw-tongs Spring Box tube plate
- a26E24 — Jaw-tongs Spring Box tube (2)
- a26E26 — Jaw-tongs Spring Box tube cap stud (2)
- a26E17 — Jaw-tongs Spring Box spring rod (upper)
- a26E8 — Jaw-tongs Spring Box ball plug washer
- a26E7 — Jaw-tongs Spring Box ball plug nut
- a26E21 — Jaw-tongs Spring Box spring rod crosshead
- a26E23 — Jaw-tongs Spring Box spring rod crosshead ball plug lock nut
- a26E22 — Jaw-tongs Spring Box spring rod crosshead ball plug
- a81E1 — Jaw-tongs-spring-box Ball Socket lock nut
- a21E1 — Jaw-tongs Bell Crank ball stud

PLATE E2 (*Continued*)

PLATE E3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 3883 and following are equipped with the following part:

JAW-TONGS BELL CRANK (upper) b21E10

Machines 3883 to 4062 inclusive were equipped with the following parts:

JAW-TONGS BELL CRANK retaining block a21E12
" " rivet (2) a21E13

Machines 2013, 2015 and following are equipped with the following parts:

JAW-TONGS SPRING BOX spring rod (lower) b26E14
" " nut b26E15
" " lock nut b26E16
" (upper) b26E17
" nut b26E19
" " " lock nut b26E20

Jaw-tongs Spring Box spring rod crosshead a26E21
Jaw-tongs Bell Crank stud (long) 21E2
Jaw-tongs Bell Crank stud nut (lower) (not shown) 21E7
Jaw-tongs Bell Crank stud nut (upper) 21E8
Jaw-tongs Bell Crank stud (long) 21E2
Jaw-tongs Bell Crank ball stud a21E11
Jaw-tongs Bell Crank (upper) a21E10
Jaw-tongs-spring-box Ball Socket (upper) a81E
Jaw-tongs-spring-box Ball Socket lock nut a81E1
Jaw-tongs Bell Crank ball stud a21E1
Jaw-tongs-spring-box Ball Socket lock nut a27E1
Jaw-tongs-spring-box Ball Socket (lower) a27E
Jaw-tongs Bell Crank stud (short) 21E6
Jaw-tongs Bell Crank stud nut (upper) 21E4
Jaw-tongs Bell Crank stud (short) 21E6
Jaw-tongs Bell Crank stud nut (lower) (not shown) 21E3
Jaw-tongs Bell Crank (lower) a21E
Jaw-tongs Spring Box spring rod crosshead ball plug a26E22
Jaw-tongs Spring Box spring rod crosshead ball plug l'k nut a26E23
Jaw-tongs-bell-crank Fulcrum Stud nut (upper) 22E2
Jaw-tongs-bell-crank Fulcrum Stud nut (lower) (not sh.) 22E1
Jaw-tongs-bell-crank Fulcrum Stud washer 22E3
Jaw-tongs Spring Box spring rod lock nut (Crosshead end) a26E18
Jaw-tongs Spring Box ball plug nut a26E7
Jaw-tongs-bell-crank Fulcrum Stud 22E

a26E17 Jaw-tongs Spring Box spring rod (upper)
a26E6 Jaw-tongs Spring Box ball plug (right bearing for Ball)
a26E25 Jaw-tongs Spring Box tube cap
a26E Jaw-tongs Spring Box (complete)
a26E10 Jaw-tongs Spring Box spring (outside) (2)
a26E9 Jaw-tongs Spring Box spring (inside) (2)
a26E11 Jaw-tongs Spring Box spring abutment (4)
a26E12 Jaw-tongs Spring Box spring brake (wood) (2)
a26E13 Jaw-tongs Spring Box spring brake cone (2)
a26E20 Jaw-tongs Spring Box spring rod nut lock nut
a26E19 Jaw-tongs Spring Box spring rod nut
a26E16 Jaw-tongs Spring Box spring rod nut lock nut
a26E15 Jaw-tongs Spring Box spring rod nut (not shown)
a26E27 Jaw-tongs Spring Box tube cap stud nut (2)
a26E28 Jaw-tongs Spring Box tube plate
a26E24 Jaw-tongs Spring Box tube (2)
a26E26 Jaw-tongs Spring Box tube cap stud (2)
a26E2 Jaw-tongs Spring Box ball socket (left bearing for Ball)
a26E3 Jaw-tongs Spring Box ball socket guide pin (not shown)
a26E4 Jaw-tongs Spring Box ball socket plug
a26E5 Jaw-tongs Spring Box ball socket plug button
a26E8 Jaw-tongs Spring Box ball plug washer
a26E14 Jaw-tongs Spring Box spring rod (lower)
a26E1 Jaw-tongs Spring Box ball extension

PLATE E3

PLATE E4

Before ordering parts consult the Casting Machine Price List of Parts

Machines 2647 and following are equipped with the following parts:

CAM-SHAFT STAND cap (front, right)	12E1
" (rear, left)	12E2
" (rear, right)	12E15
" (front, left)	12E16

Machines 4353, 4478 to 4487 inclusive, 4498 to 4517 inclusive, 4527, 4533 to 4537 inclusive, 4542, 4546, 4549, 4551, 4552, 4568, 4573 and following are equipped with the following parts:

MOLD-BLADE CAM (driving, marked G1 in circle)	a43E
(driven, " " " square)	a43E1

Machines 4208 and following are equipped with the following part:

PULLEY (loose)	a65E

And omit a65E1

Machines 3306 and 3320 to 4207 inclusive were equipped with the following part:

PULLEY screw (for Oil Hole)	a65E1

Machines 3567, 3664 to 3672 inclusive, 3683 to 3687 inclusive, and 3823 to 4226 inclusive were equipped with the following parts:

TYPE-PUSHER CAM (driven, marked H in square)	b75E1
latch	a75E2

Machines 4227 and following are equipped with the following parts:

TYPE-PUSHER CAM (driven, marked H in square)	c75E1
latch	b75E2

Machines 3567, 3664 to 3672 inclusive, 3683 to 3687 inclusive, and 3823 and following are equipped with the following parts:

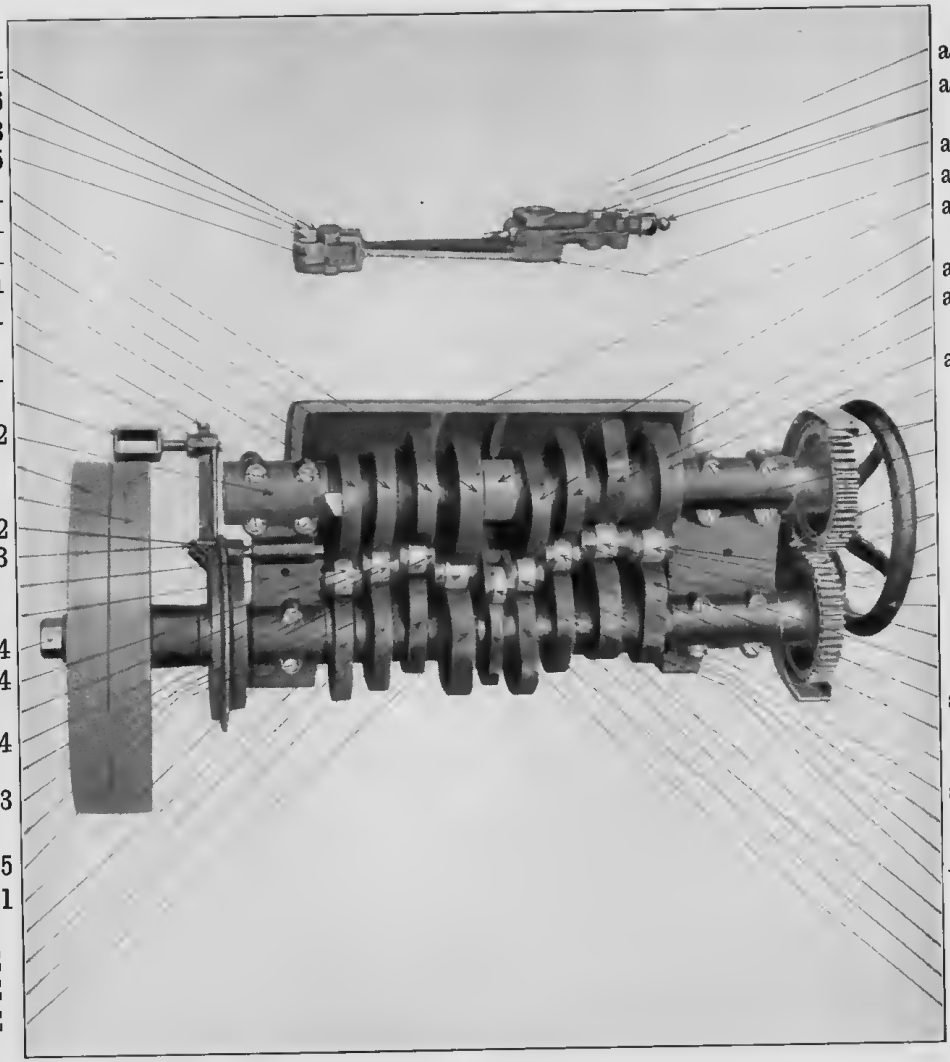
TYPE-PUSHER CAM latch cotter	a75E3
" spring	a74E4
" pin	a75E6
" washer	a75E5

Machines 1603 to 3862 inclusive were equipped with the following part:

LOCKING-BAR CAM	b86E

Machines 3863 and following are equipped with the following part:

LOCKING-BAR CAM	c86E



24E4	Jaw-tongs-cam Lever bushing pin (2)
24E6	Jaw-tongs-cam Lever roller pin
24E3	Jaw-tongs-cam Leven bushing (2)
24E5	Jaw-tongs-cam Lever roller
23E1	Jaw-tongs Cam (driven, marked E in square)
52E1	Paper-tower Cam (driven, marked F in square)
a43E1	Mold-blade Cam (driven, marked G in square)
a75E1	Type-pusher Cam (driven, marked H in square)
3E1	Belt-shifter Arm set screw
3E	Belt-shifter Arm (rear, carrying Eye)
65E1	Pulley screw (for Oil Hole) (not shown)
4E	Belt-shifter Eye
12E2	Cam-shaft Stand cap (short, for Cam Shaft)
64E	Pulley (driving)
65E	Pulley (loose)
5E2	Belt-shifter Ring guide pin
3E3	Belt-shifter Arm clamp bolt
5E	Belt-shifter Ring
76E	Type-pusher-cam Lever
10E4	Cam Shaft nut (for driving Pulley)
76E4	Type-pusher-cam Lever roller
44E	Mold-blade-cam Lever
44E4	Mold-blade-cam Lever roller
53E	Paper-tower-cam Lever
53E3	Paper-tower-cam Lever roller
a24E	Jaw-tongs-cam Lever
24E5	Jaw-tongs-cam Lever roller
12E1	Cam-shaft Stand cap (long, for Cam Shaft) (3)
a75E	Type-pusher Cam (driving, marked H in circle)
a43E	Mold-blade Cam (driving, marked G in circle)
52E	Papeh-tower Cam (driving, marked F in circle)
23E	Jaw-tongs Cam (driving, marked E in circle)

a24E7	Jaw-tongs-cam Lever adjusting screw (for Ball Extension)
a24E8	Jaw-tongs-cam Lever adjusting screw lock nut
24E2	Jaw-tongs-cam Lever clamp bolt (for Ball Extension) (2)
a26E1	Jaw-tongs Spring Box ball extension
a24E	Jaw-tongs-cam Lever
a12E	Cam-shaft Stand
11E2	Cam Shaft distance ring
a13E1	Centering-pin Cam (driven, marked D in square)
a69E1	Transfer-wedge Cam (driven, marked C in square)
66E1	Pump Cam (driven, marked B in square)
a71E1	Type-carrier Cam (driven, marked A in square)
19E	Gear Cover
12E3	Cam-shaft Stand cap screw (for 12E1 and 12E2) (16)
12E1	Cam-shaft Stand cap (long, for Cam Shaft) (3)
80E1	Worm Shaft gear
11E3	Cam Shaft gear, also Cam Shaft gear (gradnated) 10E5
72E	Type-carrier-cam Lever
72E7	Type-carrier-cam Lever roller
80E2	Worm Shaft hand wheel
67E3	Pump-cam Lever roller
67E	Pump-cam Lever
a71E	Type-carrier Cam (driving, marked A in circle)
70E6	Transfer-wedge-cam Lever roller
70E	Transfer-wedge-cam Lever
a14E	Centering-pin-cam Lever
14E3	Centering-pin-cam Lever roller
c34E	Locking-bar-cam Lever
b34E3	Locking-bar-cam Lever roller
66E	Pump Cam (driving, marked B in circle)
a69E	Transfer-wedge Cam (driving, marked C in circle)
a13E	Centering-pin Cam (driving, marked D in circle)
a86E	Locking-bar Cam

PLATE E4

PLATE E5

Before ordering parts consult the Casting Machine Price List of Parts

Machines 3883 and following are equipped with the following parts:

Locking-bar Operating Rod	b33E
spring	b33E7

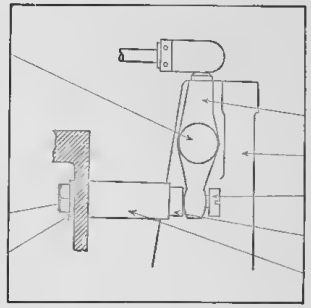
Machines 503 to 3882 inclusive were equipped with the following part:

Locking-bar Operating Rod stop	a33ES

Machines 5233 and following are equipped with the following part:

Worm Shaft key	a80E4

All machines having the Display Type Attachment are equipped with the following parts:



Mold-blade-cam Lever compound lever stud **a44E10**

Mold-blade-cam Lever compound lever stud nut (not shown) **a44E11**

Mold-blade-cam Lever roller (not shown) **44E4**

Mold-blade-cam Lever roller pin (not shown) **44E5**

Mold-blade-cam-lever-compound-lever Abutment nut **96E2**

Mold-blade-cam-lever-compound-lever Abutment washer **96E3**

44E2 Mold-blade-cam Lever bushing (2) (not shown)

44E3 Mold-blade-cam Lever bushing pin (2) (not shown)

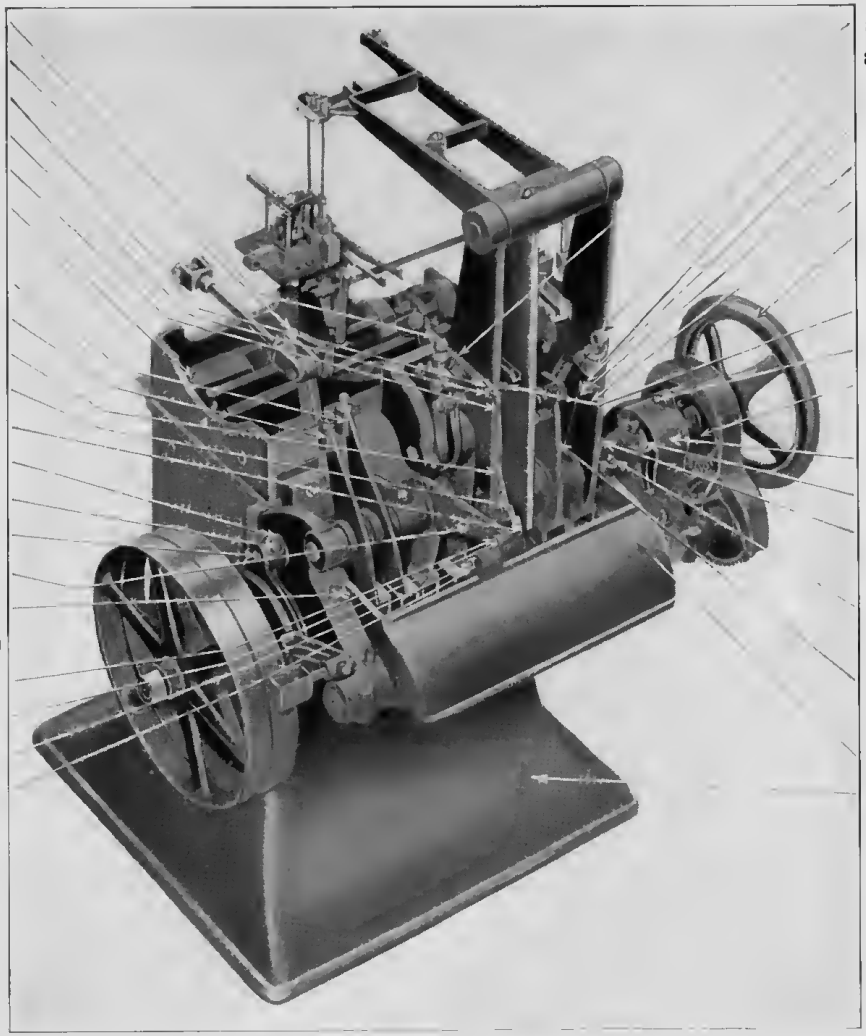
a44E7 Mold-blade-cam Lever compound lever

a44E6 Mold-blade-cam Lever

a44E8 Mold-blade-cam Lever compound lever locking screw

a44E9 Mold-blade-cam Lever compound lever locking screw collar

96E1 Mold-blade-cam-lever-compound-lever Abutment



- a33E — Locking-bar Operating Rod
- 36E37 — Main Stand bolt (7-16″x2″) (3)
- a33E5 — Locking-bar Operating Rod eye
- 34E4 — Locking-bar-cam Lever stud (for Operating-rod Eye)
- c34E — Locking-bar-cam Lever
- 36E37 — Main Stand bolt (7-16″x2″) (3)
- 36E38 — Main Stand bolt nut (for 36E36 and 36E37) (not shown)
- 44E — Mold-blade-cam Lever
- 76E — Type-pusher-cam Lever
- 54E — Paper-tower Operating Rod
- 54E2 — Paper-tower Operating Rod eye lock nut
- 54E1 — Paper-tower Operating Rod eye (lower)
- 6E1 — Belt-shifter Rod fibre washer
- 5E1 — Belt-shifter Ring clamp screw
- 6E — Belt-shifter Rod
- 53E — Paper-tower-cam Lever
- 12E14 — Cam-shaft Stand winkley oiler (6)
- 12E10 — Cam-shaft Stand oil pipe (long) (not shown)
- 53E5 — Paper-tower-cam Lever stud (for Operating-rod Eye)
- 53E6 — Paper-tower-cam Lever stud nut
- a35E — Locking-bar-cam-lever Fulcrum Stud
- a35E1 — Locking-bar-cam-lever Fulcrum Stud nut

- a33E7 — Locking-bar Operating Rod spring
- a72E4 — Type-carrier-cam Lever extension
- 72E3 — Type-carrier-cam Lever clamp bolt
- 72E6 — Type-carrier-cam Lever extension adjusting bolt lock nut
- 72E5 — Type-carrier-cam Lever extension adjusting bolt
- 72E — Type-carrier-cam Lever
- 80E2 — Worm Shaft hand wheel
- 80E4 — Worm Shaft key (long, for Gear and Hand Wheel) (not shown)
- 34E5 — Locking-bar-cam Lever stud nut
- 19E2 — Gear Cover screw (upper)
- 80E1 — Worm Shaft gear
- 80E3 — Worm Shaft key (for Worm) (not shown)
- 12E8 — Cam-shaft Stand cap (for Worm Shaft)
- 12E9 — Cam-shaft Stand cap screw (for 12E8) (4)
- 12E4 — Cam-shaft Stand cap (front, for Cam-lever Shaft)
- 12E6 — Cam-shaft Stand cap pin (in cap 12E4) (not shown)
- 12E7 — Cam-shaft Stand cap screw (for 12E4 and 12E5) (4)
- 7E — Cam-lever Shaft (front) (not shown)
- 67E — Pump-cam Lever
- 12E11 — Cam-shaft Stand oil pipe (short) (not shown)
- a12E — Cam-shaft Stand
- a1E — Base

PLATE E5

PLATE E6

Before ordering parts consult the Casting Machine Price List of Parts

Machines 2322 and following are equipped with the following parts:

CENTERING-PIN LEVER plate	a16E6
" rivet (2)	a16E7

Machines prior to 3613 having the Display Type Attachment were equipped with the following parts:

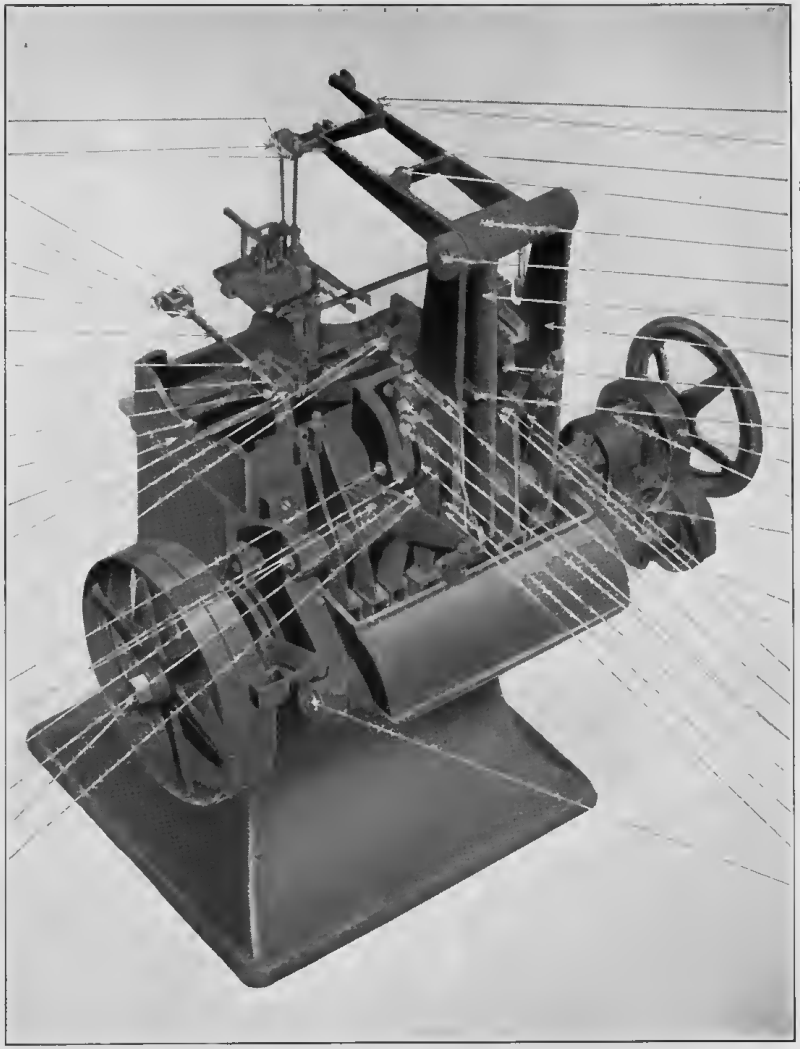
CENTERING-PIN-LEVER GAG BLOCK	140E1
pin	140E2

Machines 3613 and following having the Display Type Attachment are equipped with the following parts:

CENTERING-PIN-LEVER GAG BLOCK	a140E1
pin	a140E2

All machines having the Display Type Attachment are equipped with the following parts:

CENTERING-PIN-LEVER GAG BLOCK spring	140E3
stud	140E4
" nut	140E5



16E2 Centering-pin Lever plate (for Lever-arm Rods 15D3 and 57D4)

16E3 Centering-pin Lever plate screw (2)

22H3 Pump-bell-crank Connecting Rod eye (L. H.)

22H5 Pump-bell-crank Connecting Rod eye pin (2)

22H6 Pump-bell-crank Connecting Rod eye pin cotter (4)

22H4 Pump-bell-crank Connecting Rod eye lock nut (L. H.)

22H Pump-bell-crank Connecting Rod

22H2 Pump-bell-crank Connecting Rod eye lock nut

22H1 Pump-bell-crank Connecting Rod eye

22H5 Pump-bell-crank Connecting Rod eye pin (2)

51D Pump-trip-tube Spring Post (in Main Stand)

a36E Main Stand

a33H Pump Rocker Arm

Obsolete

a33H4 Pump Rocker Arm plunger

a33H6 Pump Rocker Arm plunger spring (not shown)

25E Jaw-tongs-cam-Lever Shaft

25E1 Jaw-tongs-cam-Lever Shaft set screw, also 8E2

8E Cam-Lever Shaft (rear)

8E1 Cam-Lever Shaft cotter

10E Cam Shaft (driving)

8E3 Cam-Lever Shaft washer

10E1 Cam Shaft cam key (not shown)

10E6 Cam Shaft gear key (not shown)

10E4 Cam Shaft nut (for driving Pulley) (not indicated)

16E5 Centering-pin Lever stud cotter

16E4 Centering-pin Lever stud (for Bridge-lever Link)

a16E Centering-pin Lever

16E1 Centering-pin Lever screw (to Cam Lever) (3)

14E5 Centering-pin-cam Lever set screw

15E Centering-pin-cam-Lever Shaft

a14E Centering-pin-cam Lever

a9E Cam-Lever-shaft Stand

9E1 Cam-Lever-shaft Stand bolt (4)

54D Transfer-wedge-operating-rod Guide

19E Gear Cover

19E2 Gear Cover screw (upper)

19E1 Gear Cover screw (lower)

12E11 Cam-shaft Stand oil pipe (short) (not shown)

68E6 Pump-cam-Lever Connecting Rod eye pin cotter (4)

68E1 Pump-cam-Lever Connecting Rod eye (L. H.)

68E5 Pump-cam-Lever Connecting Rod eye pin (2)

a26E1 Jaw-tongs Spring Box ball extension

24E2 Jaw-tongs-cam Lever clamp bolt (for Ball Extension) (2)

a24E Jaw-tongs-cam Lever

12E7 Cam-shaft Stand cap screw (for 12E4 and 12E5) (4)

12E5 Cam-shaft Stand cap (rear, for Cam-lever Shaft)

11E Cam Shaft (driven)

11E1 Cam Shaft cam key (not shown)

11E4 Cam Shaft gear key (not shown)

PLATE E6

PLATE E7

Before ordering parts consult the Casting Machine Price List of Parts

Machines 2322 and following are equipped with the following parts:

CENTERING-PIN LEVER plate	a16E6
rivet (2)	a16E7

Machines 3883 and following are equipped with the following parts:

LOCKING-BAR OPERATING ROD	b33E
spring	b33E7

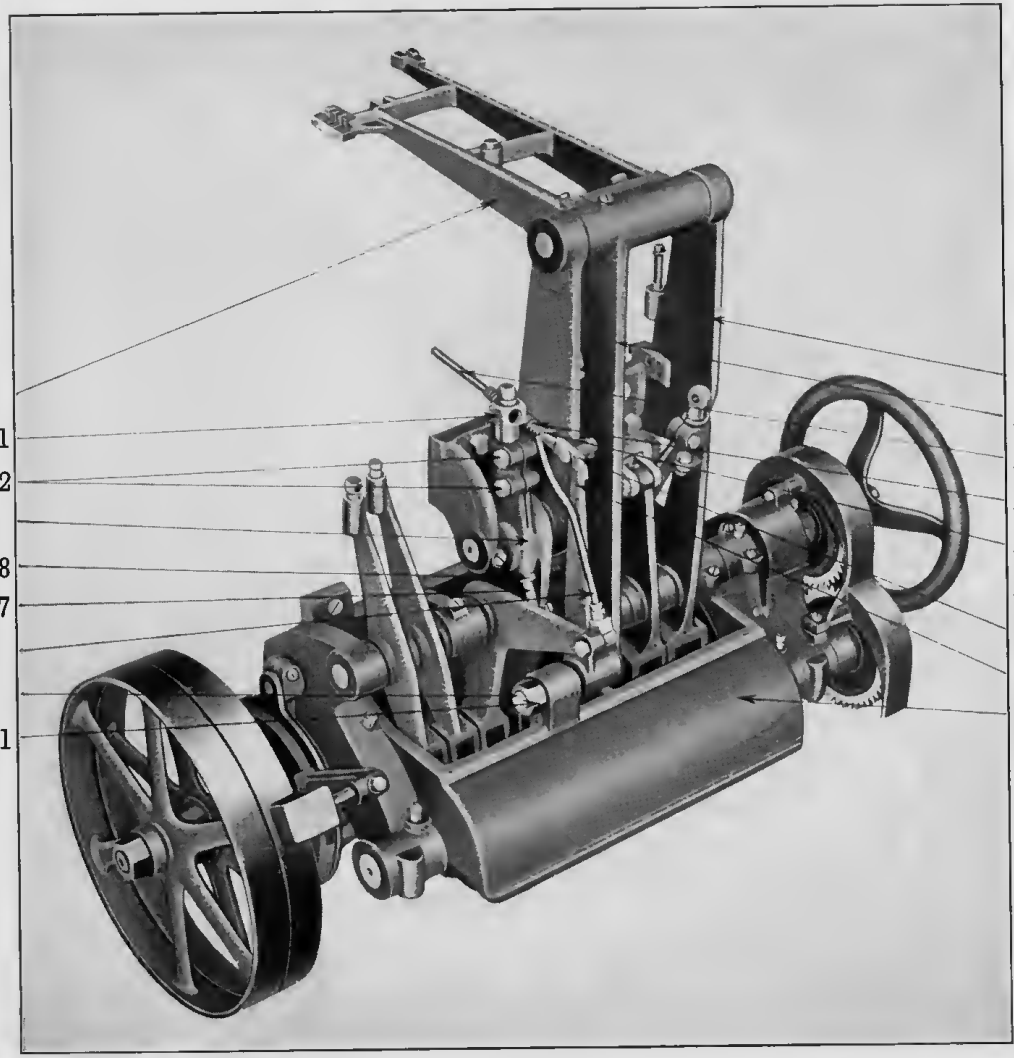

Centering-pin Lever a16E
Jaw-tongs Spring Box ball extension a26E1
Jaw-tongs-cam Lever clamp bolt (for Ball Extension) (2) 24E2
Jaw-tongs-cam Lever a24E
Jaw-tongs-cam Lever adjusting screw lock nut a24E8
Jaw-tongs-cam Lever adjusting screw (for Ball Extension) a24E7
Paper-tower Operating Rod 54E
Locking-bar-cam-lever Fulcrum Stud a35E
Locking-bar-cam-lever Fulcrum Stud nut a35E1
a9E Cam-lever-shaft Stand
a14E Centering-pin-cam Lever
a33E Locking-bar Operating Rod
a33E7 Locking-bar Operating Rod spring
a33E6 Locking-bar Operating Rod eye lock nut (L. H.)
a33E2 Locking-bar Operating Rod bearing block lock nut (not sbown)
a33E5 Locking-bar Operating Rod eye
c34E Locking-bar-cam Lever
a12E Cam-shaft Stand

PLATE E7

PLATE F1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 5293 and following are equipped with the following parts:

COLUMN PUSHER — a1F
- stud (for a1F7) — a1F4
- " cotter — a1F5
- stop pin (for a54F1) — a1F6
- sheave (for 68F1) — a1F7

Machines 4750 and following are equipped with the following parts:

GALLEY-PAN SHELF adjusting bar clamp wing bolt — a17F4
- washer — a17F7

Machines 5293 and following are equipped with the following parts:

OPERATING-LEVER LATCH — a33F
- bar — a33F1
- " clamp — a33F2
- shaft — a33F7
- " cotter — a33F8

And omit 33F4, 33F5, and 33F6

Machines 5293 and following are equipped with the following part:

OPERATING-LEVER-LATCH STAND — a36F

Machines 5293 and following are equipped with the following parts:

STOP SLIDE — a44F1
- adjusting stand guide bar — a44F2

Machines 4750 and following are equipped with the following part:

STOP SLIDE adjusting stand guide bar clamp wing bolt — a44F4

Machines 5293 and following are not equipped with the following part:

STOP SLIDE adjusting stand guide bar plate — 44F5

Machines 2841 to 4130 inclusive were equipped with the following part:

TRIP LEVER — a45F

Machines 4131 to 4536 inclusive were equipped with the following part:

TRIP LEVER — b45F

Machines 4537 and following are equipped with the following parts:

TRIP LEVER — c45F
- adjusting screw clamp screw — a45F2
- distance pin — a45F14
- " plate (lower) — a45F15
- " " (upper) — a45F16
- " " spring — a45F17
- " " " post — a45F18
- spring post (for a45F17) — a45F19

Machines 2841 and following are equipped with the following part:

TRIP LEVER latch guide pin — a45F4

Machines 4131 and following are equipped with the following parts:

TRIP LEVER spring post (for a45F13) — a45F11
- latch — a45F3
- " spring — a45F13
- " " post — a45F12

Machines 1813, 1814, 1816, 1818, 1820, 1821, 1823, and following are equipped with the following parts:

TRIP-LEVER FULCRUM STUD — a46F
- nut — a46F1
- washer — a46F2

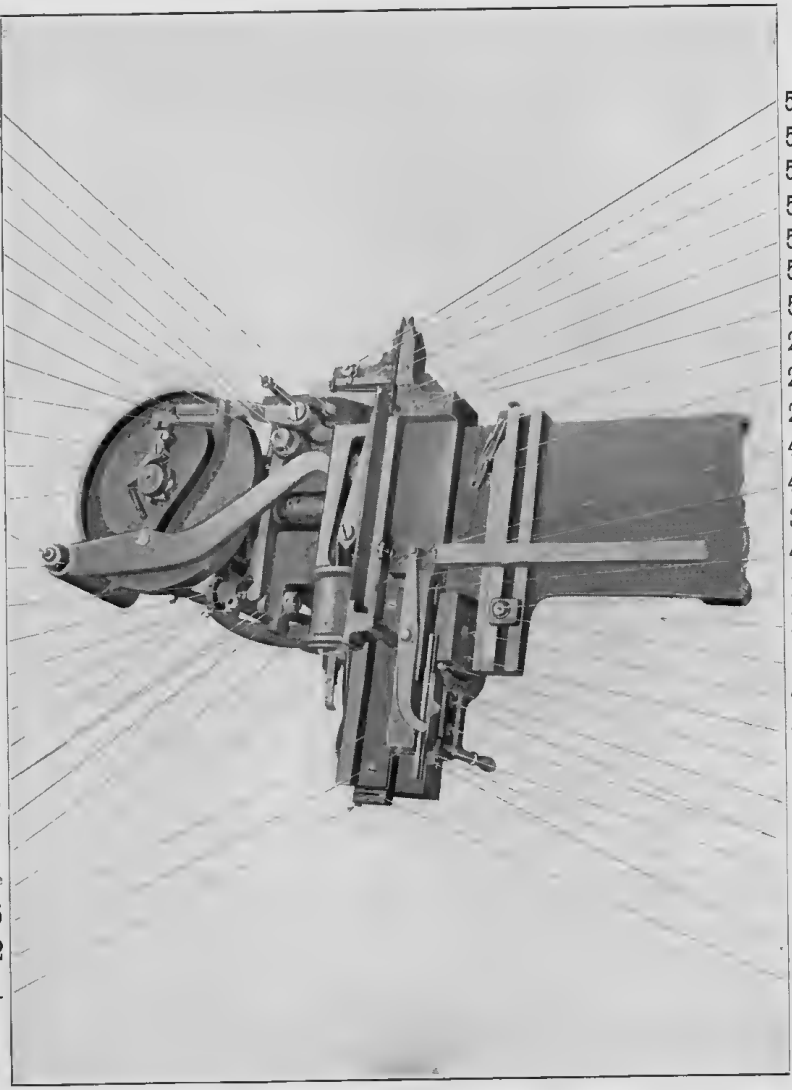
Machines 4750 and following are equipped with the following part:

TYPE CHANNEL BLOCK bolt (wing) — a50F6

Machines 3093 and following are equipped with the following parts:

TYPE CHANNEL BLOCK (fixed) — a51F
- latch — a51F3
- facing — a51F7
- " rivet — a51F8
- latch screw — a51F9

And omit 51F4



31F2	Main Galley Stand screw (1-2″x1 3-8″)
46F	Trip-lever Fulcrum Screw
45F	Trip Lever
6F1	Column-pusher-lever Stud nut
6F	Column-pusher-lever Stud
6F2	Column-pusher-lever Stud washer
45F4	Trip Lever latch guide pin
45F3	Trip Lever latch
45F5	Trip Lever latch stud
14F4	Galley Cam driving pawl fulcrum screw washer
15F2	Galley-cam Shaft ratchet
15F1	Galley-cam Shaft key (3)
26F	Line-hook-operating-slide-lever Stud
26F1	Line-hook-operating-slide-lever Stud nut
2F1	Column-pusher Adjusting Screw disc
3F	Column-pusher-adjusting-screw Stand
2F	Column-pusher Adjusting Screw (for varying "point")
3F1	Column-pusher-adjusting-screw Stand spring
2F2	Column-pusher Adjusting Screw disc pin
3F3	Column-pusher-adjusting-screw Stand stud nut (2)
3F2	Column-pusher-adjusting-screw Stand stud
1F	Column Pusher
Obsolete	
44F5	Stop Slide adjusting stand guide bar plate
44F2	Stop Slide adj. stand guide bar (for adj. column width)
a22F1	Line-hook-operating-bar Stop adjusting screw

50F6	Type Crannel Block bolt
50F7	Type Channel Block bolt washer
51F2	Type Channel Block dowel (No. 5x1 1-4″, rear)
51F6	Type Channel Block screw (1-4″x1 3-8″)
51F	Type Channel Block (fixed)
51F1	Type Channel Block dowel (No 5x1 1-2″, front)
51F5	Type Channel Block screw (1-4″x1 1-8″)
29F	Line Support (thin, from 5 1-2 point to 8 point inclusive)
29F2	Line Support spring screw
29F1	Line Support spring
44F7	Stop Slide adjusting stand plate
44F8	Stop Slide adjusting stand plate screw (3)
30F	Line Support (thick, from 9 point to 12 point inclusive)
44F1	Stop Slide adjusting stand (for column width)
17F4	Galley-pan Shelf adjusting bar clamp bolt
17F3	Galley-pan Shelf adjusting bar clamp bevel nut (not shown)
17F2	Galley-pan Shelf adjusting bar clamp
44F4	Stop Slide adjusting stand guide bar clamp bolt
44F3	Stop Slide adjusting stand guide bar clamp
33F4	Operating-lever Latch fulcrum screw (rear)
36F	Operating-lever-latch Stand
36F1	Operating-lever-latch Stand bolt (2)
33F	Operating-lever Latch
33F6	Operating-lever Latch fulcrum screw lock nut
33F5	Operating-lever Latch fulcrum screw (headless, front)
22F	Line-hook-operating-bar Stop

PLATE F1

PLATE F2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 5533 and following are equipped with the following part:

COLUMN-PUSHER FULCRUM SCREW (long) a4F3

And omit 4F.

Machines 4512 and following are equipped with the following part:

GALLEY-CAM SHAFT worm wheel oil pan a15F4

For all machines order:

GALLEY-PAN SHELF wing bolt b17F6F

Machines 1603 to 5292 inclusive were equipped with the following parts:

LINE-HOOK OPERATING SLIDE b23F

spring pin a23F11

And omit a23F1, a23F2, a23F4, 23F5, 23F6, 23F8, and 23F9.

Machines 5293 and following are equipped with the following parts:

LINE-HOOE OPERATING SLIDE c23F

pin a23F12

friction plunger (2) a24F12

" spring (2) a23F13

And omit a23F11

Machines 5293 and following are equipped with the following part:

LINE-HOOE-OPERATING-SLIDE SHOE a24F

Machines 1813, 1814, 1816, 1818, 1820, 1821, 1823, and following are equipped with the following part:

MAIN GALLEY STAND a31F

Machines 5293 and following are equipped with the following part:

RULE LEVER a40F

Machines 5293 and following are equipped with the following parts:

WEIGHT 66F1

plug 66F2

rod 66F3

" washer 66F4

spring (inner) 66F5

" (outer) 66F6

tube 66F7

" bushing 66F8

" cap 66F9

Machines 5293 and following are equipped with the following parts:

WEIGHT-CORD SHEAVE 131F1

support 131F2

" clamp screw 131F3

" nut 131F4

" washer 131F5

Soat Tray 42F

Operating-lever Stud nut 38F1

Operating-lever Stud 38F

Rule Lever 40F

Galley-cam Stand screw (4) 16F2

Rule Lever cam roller oil pipe 40F2

Rule Lever cam roller 40F1

Operating-lever Spring Box plunger stop pin 37F2

Rule Lever cam roller pin nut 40F4

Rule Lever cam roller pin 40F3

Rule Lever cam roller pin washer 40F5

Operating-lever Spring Box 37F

Operating-lever Spring Box plunger 37F1

Operating-lever Spring Box spring (not shown) 37F3

Galley-cam Stand 16F

Rule-lever Stud 41F

Galley-cam Stand dowel 16F1

Galley Cam sleeve 14F8

Galley-cam Stand screw (4) 16F2

Galley-cam Shaft worm wheel 15F3

Galley-cam Shaft 15F

Main Galley Stand spring post (for Column-pusher Spring) 31F5

Main Galley Stand 31F

Obsolete

Obsolete

Obsolete

27F3 Line-hook-operating-slide Spring Box plug (rear)

44F12 Stop Slide lever bushing

27F6 Line-hook-operating-slide Spring Box spring abut. (rear)

27F4 Line-hook-operating-slide Spring Box spring

27F5 Line-hook-operating-slide Spring Box spring abut. (front)

27F8 Line-hook-operating-slide Spring Box rod adjusting nut

27F9 Line-hook-operating-slide Spring Box rod adj. nut l'k nut

22F2 Line-hook-operating-bar Stop screw (2)

b23F Line-hook Operating Slide

23F7 Line-hook Oper. Slide pin (for Operating Bar) (not shown)

17F6 Galley-pan Shelf set screw (2)

24F1 Line-hook-operating-slide Shoe screw (5)

34F Operating-lever-latch Spring

35F Operating-lever-latch spring Post (in Main Galley Stand)

24F Line-hook-operating-slide Shoe

39F3 Rule lifting rod

39F7 Rule lifting rod spring

39F10 Rule lifting rod washer (3)

39F4 Rule lifting rod adjusting nut

39F10 Rule lifting rod washer (3)

39F6 Rule lifting rod sleeve (not shown)

39F5 Rule lifting rod adjusting nut lock nut

4F Column-pusher Fulcrum Screw (long)

4F2 Column-pusher Fulcrum Screw lock nut (2)

PLATE F2

PLATE F3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 523 to 1661 inclusive (except 1661 and 1993) were equipped with the following part:
GALLEY CAM a14F

Machines 1661, 1663, and 1665 and following are equipped with the following part:
GALLEY CAM b14F

Machines 2101 and following are equipped with the following part:
GALLEY-PAN SHELF adjusting bar a17F1

Machines 4750 and following are equipped with the following parts:
GALLEY-PAN SUPPORT bevel nut wing bolt (2) a18F3
" " " washer (2) a18F8

For all machines order:
GALLEY-PAN SUPPORT wing bolt c18F7F

Machines 5293 and following are equipped with the following parts:
OPERATING-LEVER LATCH a33F
bar a33F1
" clamp a33F2
shaft a33F7
" cotter a33F8
And omit 33F4, 33F5, and 33F6.

Machines 4750 and following are equipped with the following part:
OPERATING-LEVER LATCH bar clamp screw (knurled) a33F3

Machines 5293 and following are equipped with the following parts:
STOP SLIDE
adjusting stand a44F1
" " bolt a44F16
" " guide bar a44F2
" " " stop pin a44F17
lever a44F9
" bolt a44F10
adjusting stand bolt a44F16
And omit 44F5, 44F6, 44F13.

Machines 4197 and following are equipped with the following part:
STOP SLIDE (for long and short lines) a44F

Machines 4750 and following are equipped with the following part:
STOP SLIDE adjusting stand guide bar clamp wing bolt a44F9

Machines 4750 to 5292 inclusive were equipped with the following part:
STOP SLIDE lever bolt (wing) a44F10

Machines 5293 and following are equipped with the following parts:
TYPE CHANNEL PLATE a49F
screw 49F1
bolt a49F2

Machines 3093 and following are equipped with the following parts:
TYPE CHANNEL BLOCK clamp a50F1
" latch a50F2
" " screw a50F13

Machines 2795 and following are equipped with the following part:
TYPE CHANNEL BLOCK tongue a50F5
And omit 50F11 and 50F12

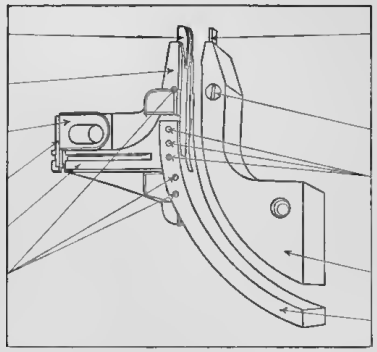
Machines 4750 and following are equipped with the following part:
TYPE CHANNEL BLOCK wing bolt a50F6

Machines 3093 and following are equipped with the following parts:
TYPE CHANNEL BLOCK latch a51F3
screw a51F9
And omit 51F4.

Machines 5293 and following are equipped with the following parts:
LINE-SUPPORT PUSHER a54F1
guide a54F2
rivet a54F3

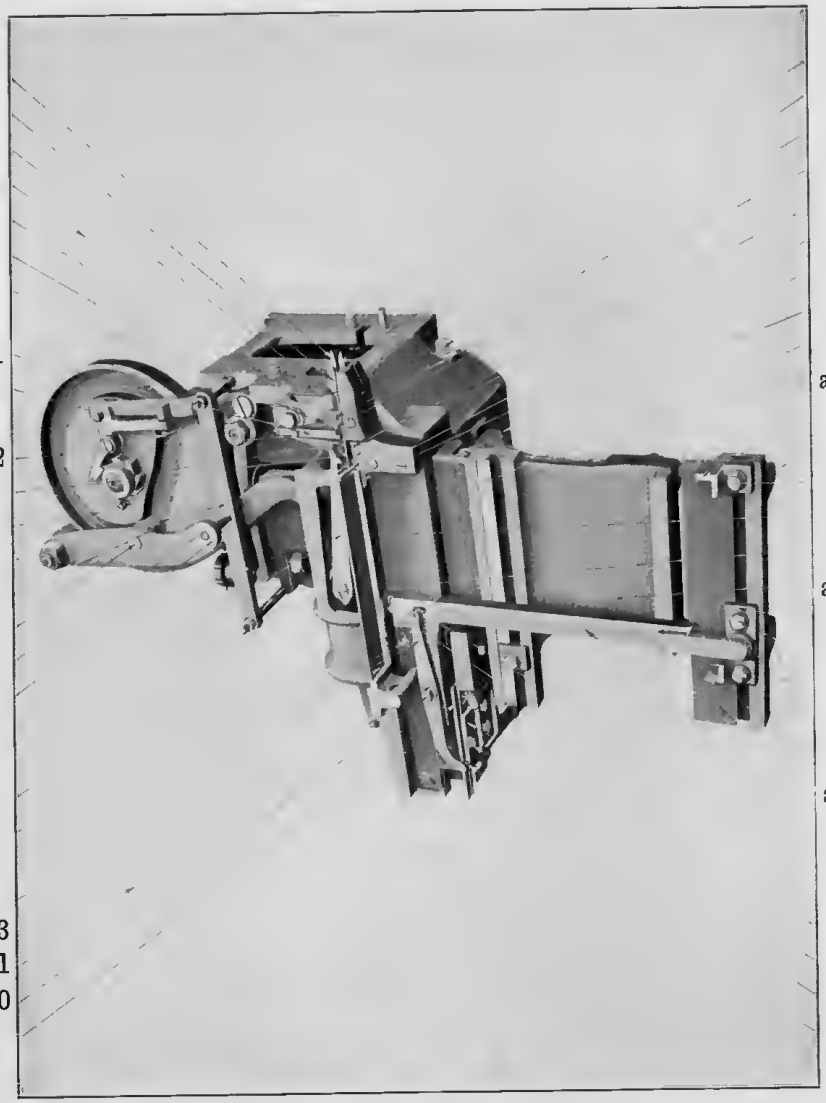
Machines 5293 and following are equipped with the following part:
LINE-SUPPORT-PUSHER CATCH PLATE 55F1

All machines having the Display Type Attachment are equipped with the following parts:



TYPE CHANNEL BLOCK clamp latch a50F15
TYPE CHANNEL BLOCK clamp a50F14
TYPE CHANNEL BLOCK (adjustable) 50F
TYPE CHANNEL BLOCK clamp tongue stop plate 50F9
TYPE CHANNEL BLOCK clamp tongue 50F5
TYPE CHANNEL BLOCK clamp latch pin (3) 50F3
TYPE CHANNEL BLOCK clamp tongue stop plate screw (2) (not shown) 50F10

a51F11 TYPE CHANNEL BLOCK latch
a51F12 TYPE CHANNEL BLOCK latch screw (2) (not shown)
a51F13 TYPE CHANNEL BLOCK screw (rear)
a50F16 TYPE CHANNEL BLOCK clamp tongue rivet (3)
50F4 TYPE CHANNEL BLOCK clamp spring (not shown)
a51F10 TYPE CHANNEL BLOCK (fixed)
a50F17 TYPE CHANNEL BLOCK clamp type guide



50F2	Type Channel Block clamp latch
50F1	Type Channel Block clamp
50F3	Type Channel Block clamp latch pin (3)
50F4	Type Channel Block clamp spring (not shown)
50F	Type Channel Block (adjustable)
43F2	Sort-tray Support Bar stud (short)
50F5	Type Channel Block clamp tongue
43F3	Sort-tray Support Bar stud nut (2)
50F11	Type Channel Block type trimmer
45F7	Trip Lever latch stud washer
45F6	Trip Lever latch stud cotter
50F12	Type Channel Block type trimmer screw
50F3	Type Channel Block clamp latch pin (3)
a14F	Galley Cam
43F	Sort-tray Support Bar
25F1	Line-hook-operating-slide Lever cam roller
25F2	Line-hook-operating-slide Lever cam roller pin
43F4	Sort-tray Support Bar stud (for Sort Tray)
43F5	Sort-tray Support Bar stud nut (knurled)
19F2	Line Hook (upper)
43F1	Sort-tray Support Bar stud (long)
43F3	Sort-tray Support Bar stud nut (2)
49F1	Type Channel Plate screw (2)
44F9	Stop Slide lever
39F8	Rule 39F and Rule lifting rod support
44F13	Stop Slide lever bushing washer
44F11	Stop Slide lever bolt bevel nut (not shown)
44F10	Stop Slide lever bolt
33F1	Operating-lever Latch bar (for Stop-slide Lever)

51F3	Type Channel Block latch
4F1	Column-pusher Fulcrum Screw (short)
4F2	Column-pusher Fulcrum Screw lock nut (2)
50F8	Type Channel Block clamp tongue rivet (3)
51F4	Type Channel Block latch pin (2)
1F2	Column Pusher line support stop screw
1F1	Column Pusher line support stop (and Type Guide)
17F5	Galley-pan Shelf screw (4)
17F1	Galley-pan Shelf adjusting bar (for Galley Pan)
a18F1	Galley-pan Support bar (2)
18F5	Galley-pan Support corner block (rear, for Galley Pan)
17F3	Galley-pan Shelf adjusting bar clamp bevel nut (not shown)
18F3	Galley-pan Support bevel nut bolt (3)
49F	Type Channel Plate
28F	Line-hook Stud
a17F	Galley-pan Shelf
18F4	Galley-pan Support block (for Galley Bar)
18F3	Galley-pan Support bevel nut bolt (3)
18F2	Galley-pan Support bevel nut (3) (not shown)
18F3	Galley-pan Support bevel nut bolt (3)
18F6	Galley-pan Support corner block (front, for Galley Pan)
a18F	Galley-pan Support
13F	Galley Bar
44F15	Stop Slide pin
44F	Stop Slide (for long and short lines)
33F2	Operating-lever Latch bar clamp
33F3	Operating-lever Latch bar clamp screw
44F14	Stop Slide lever pin
49F1	Type Channel Plate screw (2)

PLATE F3

PLATE F4

Before ordering parts consult the Casting Machine Price List of Parts

Machines 1965 and following are equipped with the following parts:

GALLEY CAM driving pawl fulcrum stud . . . a14F3
" " " " washer (lower) 14F4
" " " " " (upper) a14F9
" " " " nut a14F10

Machines 1693 to 5292 inclusive were equipped with the following parts:

LINE-HOOK OPERATING SLIDE . . . b23F
spring pin a23F11

And omit a23F1, a23F2, a23F4, 23F5, 23F6, 23F8, and 23F9.

Machines 5293 and following are equipped with the following parts:

LINE-HOOK OPERATING SLIDE . . . c23F
pin . . . a23F7
friction plunger (2) a23F12
" " spring (2) a23F13

And omit a23F11.

Machines 5293 and following are equipped with the following part:

LINE-HOOK-OPERATING-SLIDE SPRING BOX . . . a27F

Machines 4537 and following are equipped with the following part:

TRIP LEVER adjusting screw clamp screw . . . a45F2

Machines 1603 and following are equipped with the following part:

LINE-HOOK-OPERATING-SLIDE LATCH . . . a53F

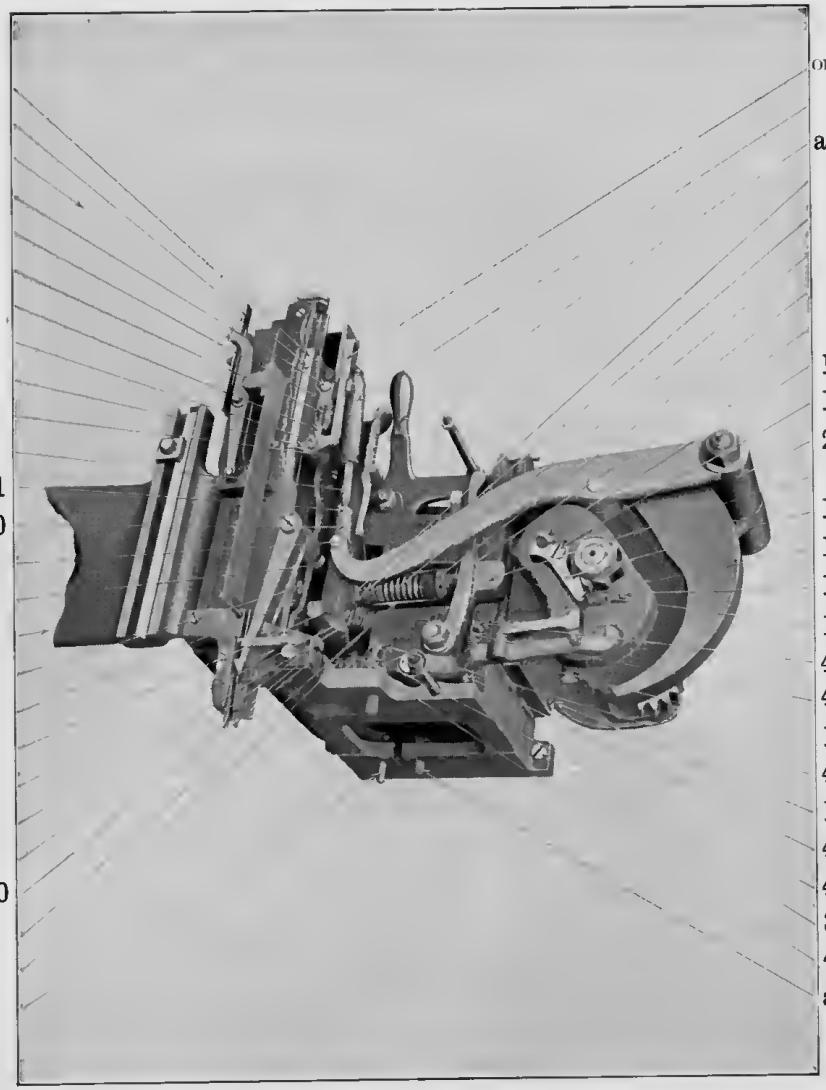
Machines 1693 to 5293 inclusive were equipped with the following parts:

LINE-HOOK-OPERATING-SLIDE LATCH
frame . . . a53F1
" oper lever a53F2
" " stud a53F3
" " " cotter a53F4
" " " spring . . a53F5
" spring a53F7
" lug a53F10
" " rivet (2) a53F11

Machines 5293 and following are equipped with the following parts:

LINE-HOOK-OPERATING-SLIDE LATCH
frame . . . c53F1
" fulcrum pin a53F12
" extension a53F13
" " rivet (2) a53F14

And omit a53F2, a53F3, a53F4, a53F5, a53F7, a53F10, a53F11, and a53F15.



- a21F — Line-hook Operating Bar
- 21F1 — Line-hook Operating Bar friction plunger
- 21F2 — Line-hook Oper. Bar friction plunger spring (not shown)
- 27F2 — Line-hook-operating-slide Spring Box pin (in Oper. Slide)
- Obsolete
- Obsolete
- Obsolete
- Obsolete
- Obsolete
- Obsolete
- 27F7 — Line-hook-operating-slide Spring Box rod
- 27F11 — Line-hook-operating-slide Spring Box rod eye lock nut
- 27F10 — Line-hook-operating-slide Spring Box rod eye
- 27F1 — Line-hook-operating-slide Spring Box pin (in Lever)
- 28F1 — Line-hook Stud nut
- 20F2 — Line-hook Carriage friction plunger spring (2) (not shown)
- 20F1 — Line-hook Carriage friction plunger (2)
- 20F — Line-hook Carriage
- 8F4 — Column-pusher Spring Box ball plunger washer
- 7F1 — Column-pusher Spring plate (2)
- 7F — Column-pusher Spring
- 50F9 — Type Channel Block stop plate (for Clamp Tongue)
- 50F10 — Type Channel Block stop plate screw (2)
- 8F — Column-pusher Spring Box
- 45F2 — Trip Lever adjusting screw clamp screw
- 31F1 — Main Galley Stand dowel

- Obsolete
- 27F — Line-hook-operating-slide Spring Box
- a32F — Operating Lever
- 8F3 — Column-pusher Spring Box ball plunger
- 8F5 — Column-pusher Spring Box plug
- 8F6 — Column-pusher Spring Box spring
- 8F2 — Column-pusher Spring Box adjusting ball plug lock nut
- 8F1 — Column-pusher Spring Box adjusting ball plug
- 14F7 — Galley Cam driving pawl stop pin
- 14F3 — Galley Cam driving pawl fulcrum screw
- 25F — Line-hook-operating-slide Lever
- 5F — Column-pusher Lever
- 14F1 — Galley Cam driving pawl
- 14F2 — Galley Cam driving pawl pin (for Spring)
- 14F6 — Galley Cam driving pawl spring post
- 14F5 — Galley Cam driving pawl spring
- 48F — Trip-lever-spring Post (in Main Galley Stand)
- 47F — Trip-lever Spring
- 16F2 — Galley-cam Stand screw (4)
- 45F9 — Trip Lever stop screw
- 16F2 — Galley-cam Stand screw (4)
- 45F8 — Trip Lever spring post (in Lever)
- 45F10 — Trip Lever stop screw lock nut
- 31F4 — Main Galley Stand screw (3-8″x1 1-8″)
- 45F1 — Trip Lever adjusting screw
- a31F7 — Main Galley Stand stud (for a35H12)

PLATE F4

PLATE G1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 4453 to 4730 inclusive were equipped with the following part:

PAPER-FEED SPRING BOX connection (upper) a17G1

Machines 4731 and following are equipped with the following parts:

PAPER-FEED SPRING BOX

connection (upper)	b17G1
lock nut	a17G12
tube	a17G9

Machines 4453 and following were equipped with the following parts:

PAPER-FEED SPRING BOX

pin	a17G2
spring	a17G5
rod	a17G6
washer	a17G8

And omit 17G4.

Machines 4453 and following were equipped with the following parts:

PAPER-TOWER LEVER	a19G
stud (for 4G3)	a19G1
" (for 17G6 and 54E3)	a19G3

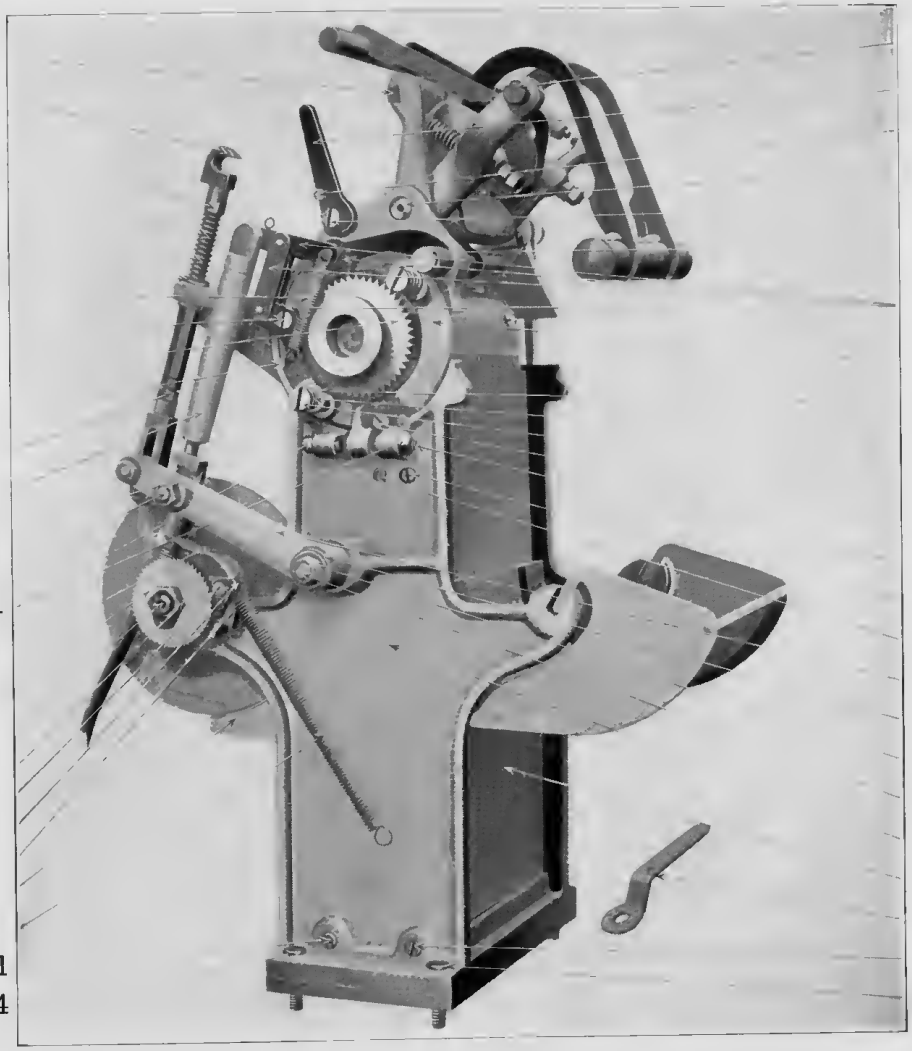


PLATE G1

- 2G2 Air Bar leather packing
- 4G1 Air-bar-clamping-lever Connecting Rod connecting hook
- 4G2 Air-bar-clamping-lever Conn. Rod connecting hook lock nut
- 4G Air-bar-clamping-lever Connecting Rod
- 4G5 Air-bar-clamping-lever Connecting Rod spring
- 4G6 Air-bar-clamping-lever Connecting Rod spring seat
- 13G10 Paper-feed Pawl spring
- 15G Paper-feed-pawl Stud (lower, in Pawl Ring)
- 20G4 Pin Wheel ratchet
- 14G1 Paper-feed-pawl Ring pin (Stop for Feeding Pawl)
- 4G4 Air-bar clamping lever Conn. Rod connecting link lock nut
- 17G Paper-feed Spring Box (complete)
- 19G4 Paper-tower Lever stud nut
- 19G3 Paper-tower Lever stud (for Pawl Spring Box and Oper Rod)
- 1G21 Air-tower Housing stop screw lock nut (2)
- 23G3 Winding-spool Driving Ratchet pawl arm operating finger
- 23G Winding-spool Driving Ratchet
- 22G1 Winding-spool Driving Disc shaft
- 22G2 Winding-spool Driving Disc shaft nut
- 23G5 Winding-spool Driving Ratchet pawl pin
- 23G1 Winding-spool Driving Ratchet pawl
- 23G2 Winding-spool Driving Ratchet pawl arm
- 8G2 Air-pipe Cover guide (for Winding Spool)
- 24G Winding-spool Operating Spring
- 1G11 Air-tower Housing screw (to Base) (4)
- 1G14 Air-tower Housing screw (to Main Stand) (4)

- 3G1 Air-bar Clamping Lever stud (for Operating Rod)
- 12G Paper-feed Locking Lever (for stopping movement of paper)
- 1G19 Air-tower Housing stop pin (for Paper-feed Locking Lever)
- 5G Air-bar Shaft
- 12G1 Paper-feed Locking Lever stud
- 16G Paper-feed-pawl Stud (upper, in Air-tower Housing)
- 13G Paper-feed Pawl (complete)
- 14G Paper-feed-pawl Ring
- 14G4 Paper-feed-pawl Ring friction spring washer (2)
- 14G2 Paper-feed-pawl Ring friction spring (2)
- 14G3 Paper-feed-pawl Ring friction spring screw (2)
- 1G13 Air-tower Housing screw (to Cross Girt, thin head)
- 1G20 Air-tower Housing stop screw (for Ring) (2)
- 1G12 Air-tower Housing screw (to Cross Girt) (3)
- 1G10 Air tower Housing dowel (to Cross Girt) (4)
- 19G Paper tower Lever
- 1G17 Air-tower Housing stud washer
- 1G18 Air-tower Housing stud nut
- 1G16 Air-tower Housing stud (for Paper-tower Lever)
- 1G Air-tower Housing (front, with bearing for Pawl Ring)
- 7G Air-pipe Cover (right)
- a39E3 Matrix-jaw tongs Stud arm (for Paper Winding Spring)
- 1G11 Air-tower Housing screw (to Base) (4)
- 1G14 Air-tower Housing screw (to Main Stand) (4)

PLATE G2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 4453 and following were equipped with the following part:

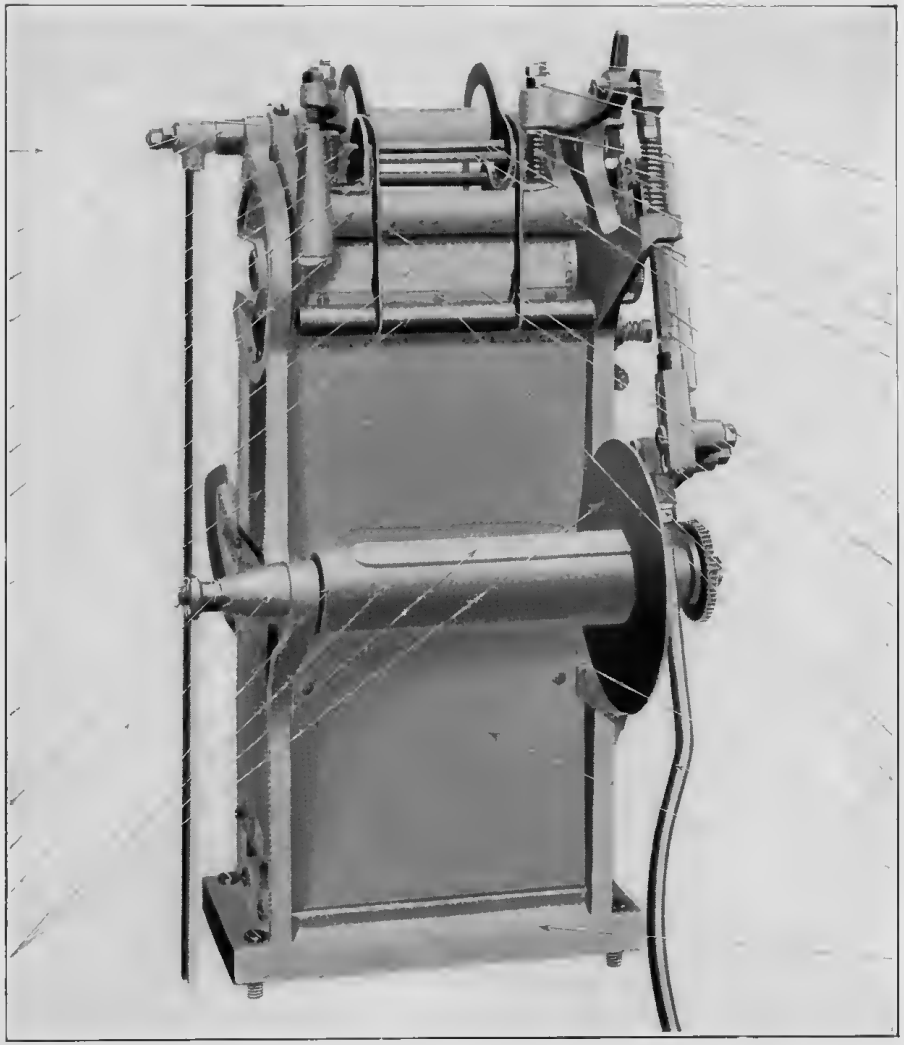
PAPER-TOWER OPERATING ROD eye (upper)	a54E3

Machines 4453 and following were not equipped with the following part:

PAPER-FEED SPRING BOX pin washer	a17G4

Machines 4453 and following were equipped with the following parts:

PAPER-TOWER LEVER	a19G
stud (for 4G3)	a19G1
(for 17G6 and 54E3)	a19G3



2G1 Air Bar clamp screw

2G8 Air Bar valve

2G9 Air Bar valve spring (not shown)

5G5 Air-bar Shaft headless screw washer

5G1 Air-bar Shaft distance collar

6G1 Air Supply Pipe connection

2G5 Air Bar spring stud washer (2)

18G4 Paper Tension Bar arm fulcrum pin

2G3 Air Bar spring (2)

18G6 Paper Tension Bar arm guide plate

2G Air Bar (including Valve Body)

2G10 Air Bar valve body plug (in Air Bar)

1G5 Air-tower Housing cross girt (brass)

18G2 Paper Tension Bar (small, left)

1G1 Air-tower Housing (rear)

25G3 Winding-spool Spring Box plunger cotter

25G1 Winding-spool Spring Box plunger

25G2 Winding-spool Spring Box plunger button

25G4 Winding-spool Spring Box plunger spring (not shown)

25G Winding-spool Spring Box (discarded) (cast on 1G1)

21G Winding Spool (complete)

2G4 Air Bar spring stud (2)

2G7 Air Bar spring stud nut lock nut (2)

3G2 Air-bar Clamping Lever stud nut

2G6 Air Bar spring stud nut (2)

2G5 Air Bar spring stud washer (2)

17G3 Paper-feed Spring Box pin cotter

17G4 Paper-feed Spring Box pin washer

2G3 Air Bar spring (2)

a4G9 Air-bar-clamping-lever Connecting Rod washer

18G5 Paper Tension Bar arm distance sleeve

18G9 Paper Tension Bar connecting link pin (to lift Tension Bar)

a4G7 Air-bar-clamping-lever Conn. Rod adjustable sleeve

a4G8 Air-bar-clamping-lever Conn. Rod adjustable sleeve lock nut

19G2 Paper-tower Lever stud nut

18G3 Paper Tension Bar arm (left) (2)

19G1 Paper-tower Lever stud (for Clamping-lever Connecting Rod)

4G3 Air-bar-clamping-lever Connecting Rod connecting link

54E3 Paper-tower Operating Rod eye (upper)

54E4 Paper-tower Operating Rod eye lock nut (L. H.)

8G1 Air-pipe Cover screw (3)

8G4 Air-pipe Cover guide screw (2)

54E Paper-tower Operating Rod

8G Air-pipe Cover (left)

a1G3 Air-tower Housing base

PLATE G2

PLATE G3

Before ordering parts consult the Casting Machine Price List of Parts

Machines 2413 to 2779 inclusive, and 2781 to 2792 inclusive were equipped with the following part:

PIN WHEEL (rear)	a20G

Machines 2780, 2793 to 6615 inclusive were equipped with the following part:

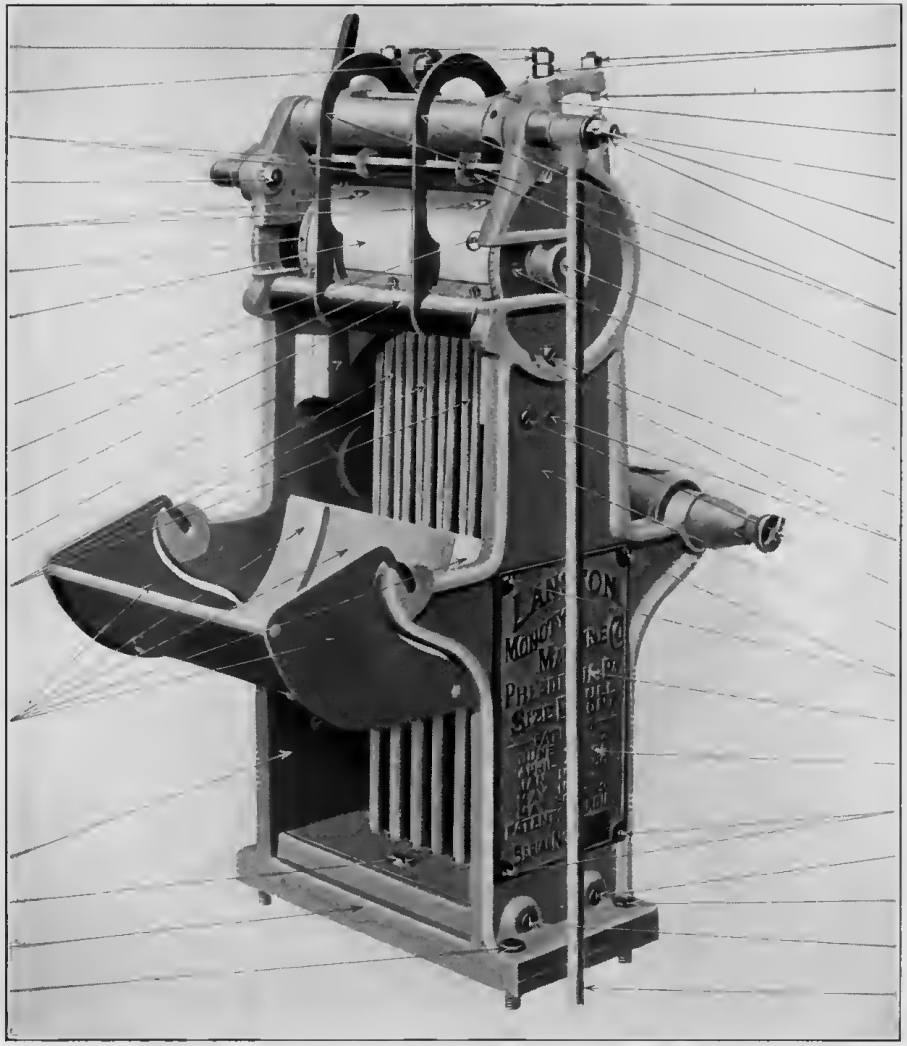
PIN WHEEL (rear)	b20G

Machines 6616 and following are equipped with the following parts:

PIN WHEEL (rear)	d20G
(front)	a20G1

Machines 2780, 2793 and following are equipped with the following part:

PIN WHEEL shaft	a20G3



Air Bar spring stud (2) 2G4

Air Bar spring stud nut lock nut (2) 2G7

Paper Tension Bar connecting link (2) 18G7

Paper-feed-pawl Stud nut 16G1

Air-tower Housing cross girt cap screw (top) (2) 1G8

Pin Wheel (front) 20G1

Air-tower Housing cross girt cap (brass) 1G6

Air-tower Housing cross girt cap dowel (not shown) 1G7

Air-tower Housing cross girt cap screw (side) (2) 1G9

Air-pipe Cover screw (3) 7G1

Paper Tension Bar (large, right) 18G

Air-tower Housing cross girt (brass) 1G5

Air-tower Housing air pipe (31) 1G2

Basket (complete) 9G

Air-tower Housing base screw (bet. Housings, left) (not shown) 1G4

Air-tower Housing (front, with bearing for Pawl Ring) 1G

Air-tower Housing base screw (between Housings, right) a1G22

Air Tower Housing base a1G3

Air-tower Housing screw (to Main Stand) (4) 1G14

3G4 Air-bar Clamping Lever screw lock nut

2G6 Air Bar spring stud nut (2)

3G3 Air-bar Clamping Lever screw (for operating Valve)

3G Air-bar Clamping Lever

5G2 Air-bar Shaft headless screw (end)

5G3 Air-bar Shaft headless screw nut

5G4 Air-bar Shaft headless screw nut lock nut

18G1 Paper Tension Bar arm (right) (2)

18G8 Paper Tension Bar connecting link fulcrum pin (in Housing)

20G3 Pin Wheel shaft

20G Pin Wheel (rear)

1G12 Air-tower Housing screw (to Cross Girt) (3)

1G10 Air-tower Housing dowel (to Cross Girt) (4)

1G12 Air-tower Housing screw (to Cross Girt) (3)

1G1 Air-tower Housing (rear)

10G1 Name Plate screw (4)

10G Name Plate (American)

11G Name Plate (English)

10G1 Name Plate screw (4)

1G11 Air-tower Housing screw (to Base) (4)

1G14 Air-tower Housing screw (to Main Stand) (4)

1G11 Air-tower Housing screw (to Base) (4)

6G Air Supply Pipe (to Air Tower)

PLATE G3

PLATE H1

Before ordering parts consult the Casting Machine Price List of Parts

Machines 5355 and following are equipped with:
GAS BURNER (3-burner) Xb55H
And omit 4H, 6H, 8H, 10H, 11H, 50H, and 51H.

Machines 4636 to 4647 inclusive, and 4958 to 8919 inclusive were equipped with the following part:
MELTING POT casing (inside) a12H1

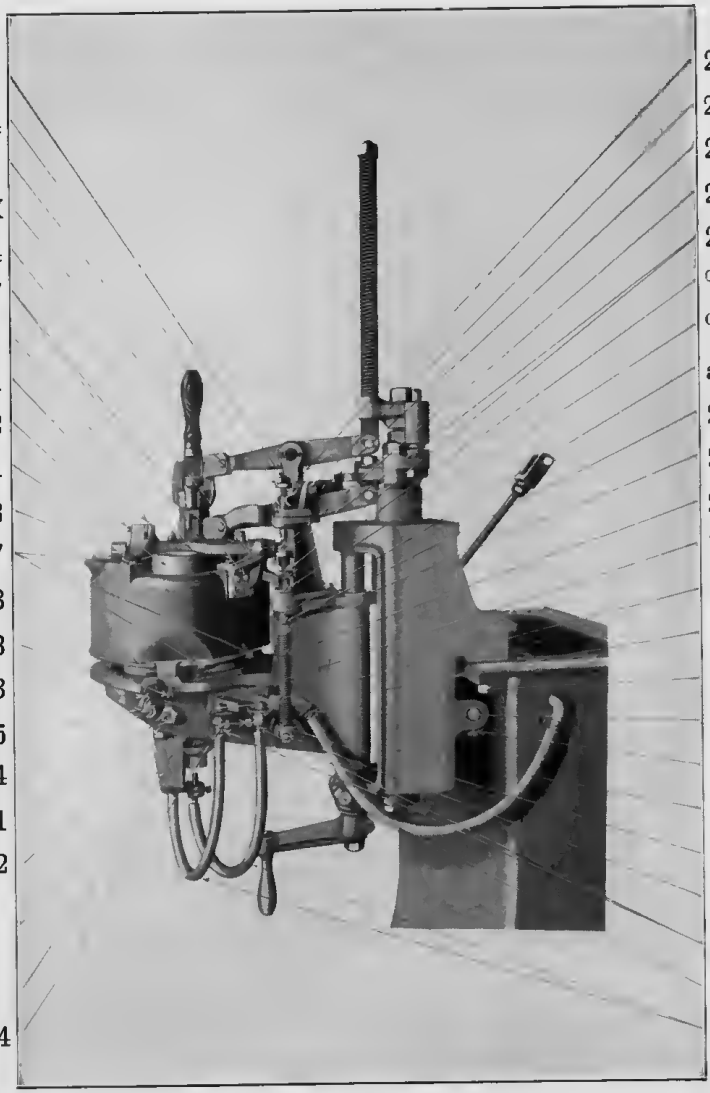
Machines 8920 and following are equipped with the following part:
MELTING POT casing a12H2

Machines prior to 8920 were equipped with the following part:
MELTING POT casing plate (large) 12H3

For all machines order:
PUMP-BODY LIFTING SPRING a27H
plate (lower) a27H2
And omit one of the Plates 27H1

Machines 7936 and following are equipped with the following part:
SWING FRAME spring post (for a27H). a37H6

Machines 7936 and following are not equipped with the following part:
SWING-FRAME POST clamp bolt 38H2



Pump-body Operating Rod nut lock nut (2) 28H5

Pump-body Operating Rod nut (3) 28H4

Pump-body-operating-rod Lever stand 29H3

Pump-body Operating Rod a28H

Pump-body Lifting Lever stand (rear, on Pot) 25H4

Pump-body Lifting Lever stand screw (6) 25H7

Pump-body Lifting Lever (Piston end) 25H

Pump-body Lifting Lever locating latch 25H1

Pump-body Lifting Lever locating latch screw 25H2

Melting Pot casing (inside) 12H1

Pump-body Lifting Lever stand (front, on Pot) 25H3

Pump-body Lifting Lever stand screw (6) and 12H4 (8) 25H7

Melting Pot casing plate (large) 12H3

Melting Pot casing screw (right) 12H8

Swing Frame handle 37H3

Swing Frame handle stem nut 37H5

Swing Frame handle stem 37H4

Gas-burner Stand bolt 6H1

Gas-burner Stand bolt nut 6H2

Gas Regulating Valve (2) 10H

Gas-burner Stand a6H

Gas-regulating-valve Stand screw (2) 11H4

29H2 Pump-body-operating-rod Lever pin cotter (not shown)

29H1 Pump-body-operating-rod Lever pin

29H Pump-body-operating-rod Lever

28H5 Pump-body Offrating Rod nut lock nut (2)

28H4 Pump-body Operating Rod nut (3)

Obsolete

Obsolete

a28H2 Pump-body Operating Rod extension (for Spring Plate)

28H3 Pump-body Operating Rod extension pin

27H1 Pump-body Lifting Spring plate (2)

27H Pump-body Lifting Spring

11H Gas-regulating-valve Stand

11H3 Gas-regulating-valve Stand pipe (1-4″x1 3-8″)

11H1 Gas-regulating-valve Stand elbow (1-4″, 45°)

38H1 Swing-frame Post bolt (to Main Stand)

11H2 Gas-regulating-valve Stand nipple (for Hose)

21H2 Pump Bell Crank shaft set screw

49H Gas Hose (1-2″x18″)

27H1 Pump-body Lifting Spring plate (2)

37H6 Swing Frame spring post (fo. Pump-body Lifting Spring)

10H4 Gas Regulating Valve nipple (outlet)

38H2 Swing-frame Post clamp bolt

50H Gas Hose (3-8″x15 3-4″) and Gas Hose (3-8″x19 1-2″) 51H

PLATE H1

PLATE H2

Before ordering parts consult the Casting Machine Price List of Parts

Machines 5355 and following are equipped with:
GAS BURNER (3-burner) Xb55H
And omit groups 4H, 6H, 8H, 10H, 11H, 50H, and 51H.

Machines 2123 to 5354 inclusive were equipped with the following parts:
GAS BURNER (2) a4H
screen (2) a4H1
" holder (2) a4H2
" collar (2) a4H3

Machines 8920 and following are equipped with the following parts:
MELTING POT a12H
casing a12H2
" bracket a12H18
" " screw (2) a12H19
" " dowel (2) a12H20
screw (4) a12H25
And omit 12H, a12H1, 12H3, 12H4, 12H5, and 12H6.

Machines 4249 and following are equipped with the following parts:
PISTON LEVER bearing (2) a18H1
" screw (2) a18H3
And omit 18H2.

Machines 4249 and following are equipped with the following parts:
PUMP-BODY LEVER screw a24H3
And omit 24H2.

Machines 4636 to 4647 inclusive, 4658 to 7935 inclusive were equipped with the following parts:
SWING FRAME a37H
adjusting screw (long) a37H9
" " (short) a37H10
And omit a37H7 and a37H8.

Machines 7936 and following are equipped with the following parts:
SWING FRAME b37H
spring post a37H6
adjusting screw (long) a37H9
" " (short) a37H10
bushing a37H11
table a37H12
" bolt (3) a37H13
worm shaft a37H14
" " nut (2) a37H15
" " thrust bearing a37H16

Machines 579 to 4657 inclusive (except 4636 to 4647 inclusive) were equipped with the following parts:
SWING FRAME adjusting screw (long) (2) a37H7
" " (short) (2) a37H8

Machines 4248 to 7935 inclusive were equipped with the following part:
SWING-FRAME POST a38H

Machines 7936 and following are equipped with the following part:
SWING-FRAME POST b38H
And omit 38H2

Machines 4544 and following are not equipped with the following part:
SWING-FRAME POST guide pin 38H3

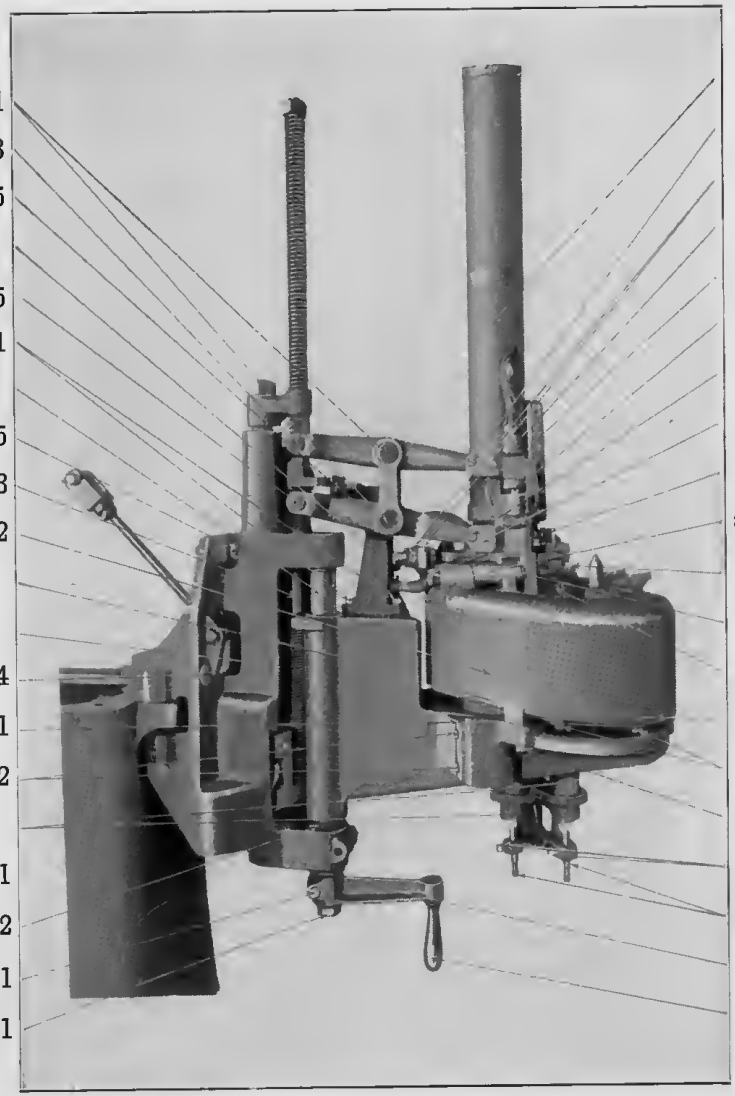
Machines 7936 and following were equipped with the following parts:
SWING-FRAME RACK a39H
nut a39H1
washer a39H2
sleeve a39H4
washer (large) a39H5
And omit 39H3.

All machines are equipped with the following parts:
THERMOMETER SUPPORT a41H2
hook a41H3
" nut a41H4
" " lock nut a41H5
And omit one of 25H7.

Machines 7936 to 8192 inclusive were fitted with the following part:
SWING-FRAME-WORM-SHAFT CRANK a40H
And omit 40H2.

Machines 8193 and following were equipped with the following parts:
SWING-FRAME-WORM-SHAFT CRANK b40H
handle 40H2

Machines 7936 and following are equipped with the following part:
SWING-FRAME-WORM-SHAFT CRANK pin a40H3
And omit 40H1.



Pump-lever Connecting Link pin (2)	32H1
Piston Spring rod eye pin	20H3
Pump-body Lifting Lever stand cap	25H5
Pump-body-operating-rod-lever-stand Support	30H
Pump-body Spring rod crosshead eye pin	31H5
Pump-body-operating-rod-lever-stand Support screw (2)	30H1
Swing-frame Screw (for raising and lowering Pot)	39H
Swing-frame Post screw (upper)	38H5
Swing-frame Post guide pin (for Swing Frame)	38H3
Melting Pot casing (outside)	12H2
Swing Frame (for Melting Pot)	a37H
Swing-frame Post	38H
Swing-frame Post screw (lower)	38H4
Swing Frame guide block	37H1
Swing Frame guide block screw (2)	37H2
Gas Burner (for Melting Pot) (2)	4H
Gas Burner cone (2) (not shown)	4H1
Swing-frame Screw washer	39H2
Swing-frame-screw Crank clamp bolt	40H1
Swing-frame Screw nut	39H1

13H	Melting-pot Chimney
18H3	Piston Lever bearing screw (2)
25H6	Pump-body Lifting Lever stand cap screw (2)
18H2	Piston Lever bearing (rear)
41H	Thermometer (not like cut)
23H3	Pump Body guide screw (2)
24H3	Pump-body Lever bearing screw (2)
24H2	Pump-body Lever bearing (rear)
26H2	Pump-body Lifting Lever stud nut
a26H	Pump-body Lifting Lever (Nozzle end)
25H6	Pump-body Lifting Lever stand cap screw (2)
26H1	Pump-body Lifting Lever stud
12H	Melting Pot
12H5	Melting Pot casing plate (small)
12H6	Melting Pot casing plate screw (3)
a12H9	Melting Pot casing stud (2) and nut (2) a12H10
6H3	Gas-burner Stand set screw (for Nipple) (2)
a8H	Gas Nipple (in Gas-burner Stand) (2)
40H	Swing-frame-screw Crank
40H2	Swing-frame-screw Crank handle

PLATE H2

PLATE H3

Before ordering parts consult the Casting Machine Price List of Parts

All machines having the Display Type Attachment are equipped with the following parts:

Nozzle	a14H2
Piston	a17H5
handle	17H1
stem	17H2
" " nut	17H3

Machines 4249 and following are equipped with the following parts:

Piston Lever	a18H
bearing (2)	a18H1
" screw (2)	a18H3

And omit 18H2.

Machines 4910 and following are equipped with the following part:

Piston-operating-rod Crosshead	a19H3

Machines 4493 and following are equipped with the following parts:

Piston Spring rod eye	a20H2
washer	a20H6

And omit a20H2 when equipped with Display Type Attachment.

Machines 4249 and following are equipped with the following parts:

Pump-body Lever	a24H
bearing (2)	a24H1
" screw (2)	a24H3

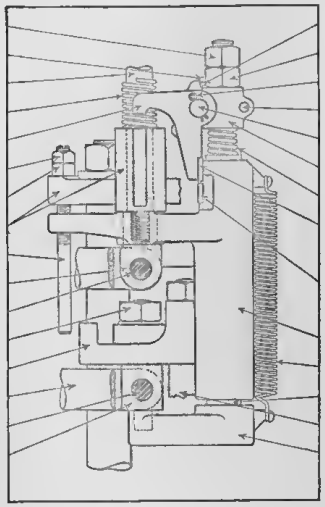
And omit 24H2.

Machines 4533 and following are equipped with the following part:

Pump-body Spring rod crosshead eye.	a31H3

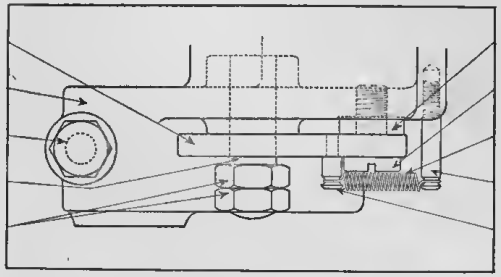
Machines 4248 and following are equipped with the following part:

Pump-body Spring rod sleeve	a31H11



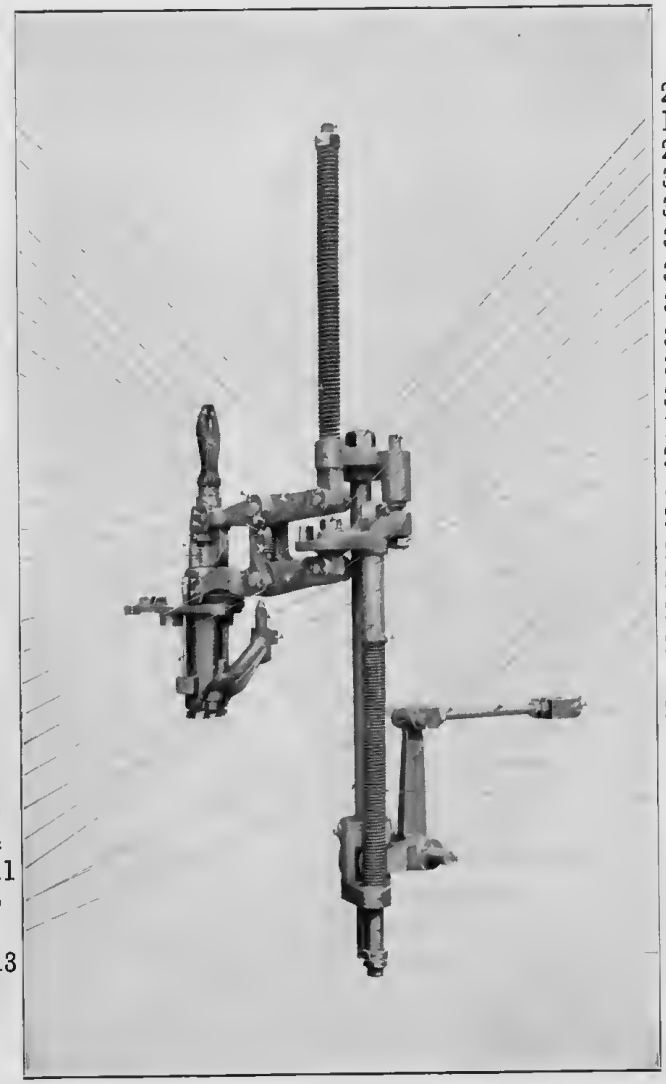
Latch Stand shaft nut lock nut	62H5
Latch Pin plate	60H3
Piston Spring rod	20H1
Piston Spring	20H
Latch	57H1
Piston-operating-rod Crosshead stud nut lock nut	a19H7
Piston-operating-rod Crosshead stud nut	a19H6
Piston-operating-rod Crosshead	a19H3
Piston-operating-rod Crosshead stud (for depressing nozzle)	a19H5
Piston-spring-rod Eye	a20H2
Piston Spring rod eye pin	20H3
Pump-body Spring rod crosshead eye nut	31H4
Pump-body Spring rod crosshead	31H2
Pump-body Lever	24H
Pump-body Spring rod crosshead eye pin	31H5
Pump-body-spring-rod-crosshead Eye	a31H3
Latch-pin plate spring pin (not shown)	60H4

60H5	Latch Pin plate spring pin
62H4	Latch Stand shaft nut
60H2	Latch Pin cotter
62H7	Latch Stand spring pin (for Latch Spring)
60H1	Latch Pin
62H1	Latch Stand
62H6	Latch Stand shaft spring
57H2	Latch plate
57H3	Latch plate screw (2) (not shown)
58H2	Latch Abutment plate
58H3	Latch Abutment plate screw (2) (not shown)
58H1	Latch Abutment
59H1	Latch-abutment Spring
62H2	Latch Stand shaft
31H1	Pump-body Spring rod
62H3	Latch Shaft stand arm
61H1	Latch Spring (not shown)



Pump-body-spring-rod Stop Block	63H1
Swing-frame Post	38H
Swing-frame Post clamp bolt	38H2
Pump-body Spring rod	31H1
Pump-body Spring rod stop nut (bottom (2)	31H13

63H4	Pump-body-spring-rod Stop Block stud washer
63H3	Pump-body-spring-rod Stop Block stud
64H1	Pump-body-spring-rod stop-block Spring
a38H6	Pump-body-spring-rod-stop-block-spring Post (in 38H)
63H2	Pump-body-spring-rod Stop Block spring post (in 38S)



20H5 Piston Spring rod nut
20H Piston Spring
19H3 Piston Operating Rod crosshead (upper, for Piston Lever)
20H2 Piston Spring rod eye
17H3 Piston handle stem nut
17H2 Piston handle stem
17H1 Piston handle
18H Piston Lever
32H2 Pump-lever Connecting Link pin cotter (2)
32H Pump-lever Connecting Link (between Levers 18H and 24H)
32H3 Pump-lever Connecting Link plunger
18H3 Piston Lever bearing screw (2)
18H1 Piston Lever bearing (front)
17H Piston
23H3 Pump Body guide screw (2)
23H2 Pump Body guide (and Stop, for Piston)
32H4 Pump-lever Connecting Link plunger spring
24H1 Pump-body Lever bearing (front)
24H3 Pump-body Lever bearing screw (2)
32H2 Pump-lever Connecting Link pin cotter (2)
24H Pump-body Lever
23H5 Pump Body regulating screw (for flow of metal)
23H Pump Body
23H6 Pump Body valve
23H4 Pump Body plug (bottom)
31H11 Pump-body Spring rod sleeve
22H6 Pump-bell-crank Connecting Rod eye pin cotter (4)
19H Piston Operating Rod
31H13 Pump-body Spring rod stop nut (bottom) (2)

20H1 Piston
19H4 Piston Operating Rod nut
20H4 Piston Spring rod eye pin cotter
31H8 Pump-body Spring rod crosshead stop
31H4 Pump-body Spring rod crosshead eye nut
31H7 Pump-body Spring rod crosshead eye washer
31H10 Pump-body Spring rod nut (upper)
31H2 Pump-body Spring rod crosshead
31H6 Pump-body Spring rod crosshead eye pin cotter
31H3 Pump-body Spring rod crosshead eye
31H9 Pump-body Spring rod crosshead stop nut
14H Nozzle (13 threads)
23H1 Pump Body bearing (Nozzle end for Lifting Lever)
31H12 Pump-body Spring rod sleeve washer
22H3 Pump-bell-crank Connecting Rod eye (L. H.)
22H4 Pump-bell-crank Connecting Rod eye lock nut (L. H.)
22H Pump-bell-crank Connecting Rod
22H2 Pump-bell-crank Connecting Rod eye lock nut
22H6 Pump-bell-crank Connecting Rod eye pin cotter (4)
22H5 Pump-bell-crank Connecting Rod eye pin (2)
22H1 Pump-bell-crank Connecting Rod eye
22H5 Pump-bell-crank Connecting Rod eye pin (2)
21H Pump Bell Crank
31H Pump-body Spring
19H2 Piston Operating Rod crosshead dowel
21H1 Pump Bell Crank shaft
19H1 Piston Operating Rod crosshead (lower)
31H1 Pump-body Spring rod
31H13 Pump-body Spring rod stop nut (bottom) (2)

PLATE H3

PLATE H4

Before ordering parts consult the Casting Machine Price List of Parts

Machines 4163 and following are equipped with the following parts:

BASE hinge (for door) (2)	a1E1
nut (2)	a1E2

Machines 4208 and following are equipped with the following part:

PULLEY (loose)	a65E

And omit a65E1.

Machines 3306, and 3320 to 4207 inclusive were equipped with the following part:

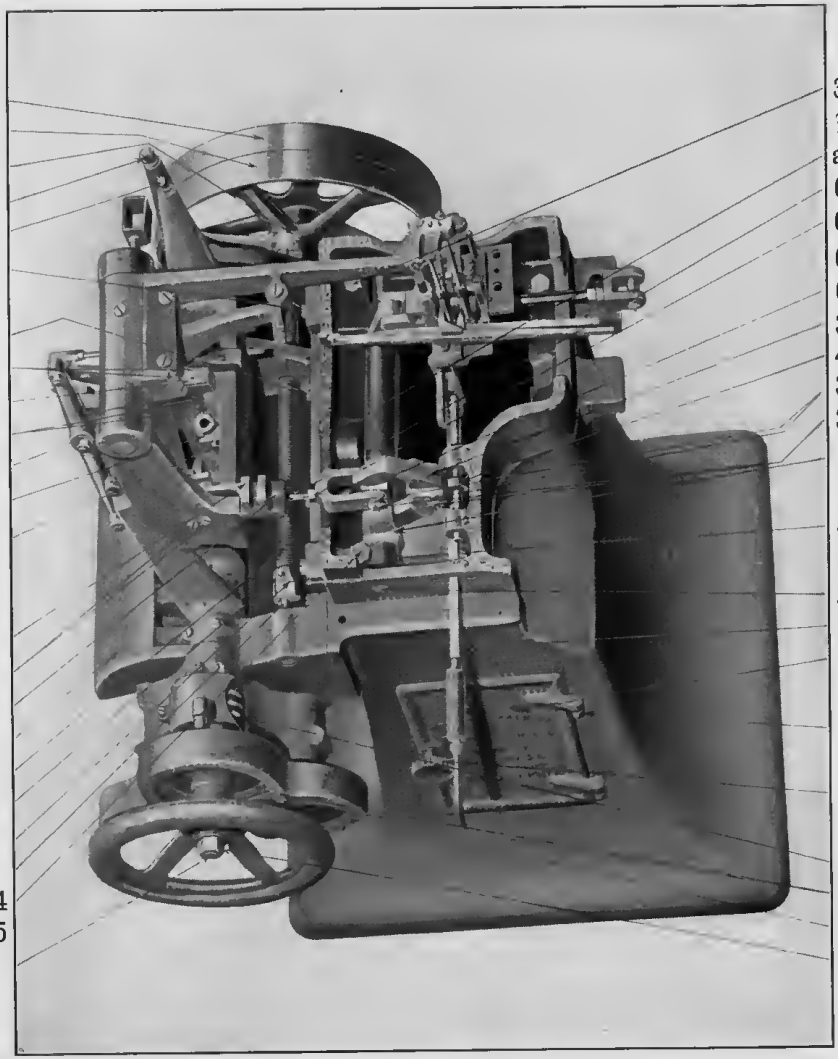
PULLEY oil screw	a65E1

Machines 5233 and following are equipped with the following parts:

WORM SHAFT	a80E
key	a80E4
collar	a80E7

Machines 5503 and following are equipped with the following part:

PUMP TRIP (hand complete)	Xa35H



- 64E — Pulley (driving)
- 65E — Pulley (loose)
- 65E1 — Pulley screw (for Oil Hole)
- 76E1 — Type-pusher-cam Lever ball extension
- 44E1 — Mold-blade-cam Lever extension
- 12E13 — Cam-shaft Stand screw (7-16″x1 3-8″) (4)
- a12E — Cam-shaft Stand (see below)
- 12E12 — Cam-shaft Stand screw (7-16″x1 1-8″) (4)
- 54D2 — Transfer-wedge-operating-rod Guide cap screw (2)
- 54D1 — Transfer-wedge-operating-rod Guide cap
- 54D3 — Transfer-wedge-operating-rod Guide screw (2)
- 35E3 — Locking-bar-lever Fulcrum Stud washer (disc.) (see Pl. E6)
- 70E — Transfer-wedge-cam Lever
- 70E3 — Transfer-wedge-cam Lever clamp bolt
- 70E4 — Transfer-wedge-cam Lever exten adjusting bolt (not shown)
- 70E5 — Transfer-wedge-cam Lever ext. adj. bolt lock nut (not sh.)
- a25B — Type-carrier-spring-abutment Stand
- 25B1 — Type-carrier-spring-abutment Stand screw (front) (2)
- 25B2 — Type-carrier-spring-abutment Stand screw (top)
- a12E — Cam-shaft Stand
- 6E2 — Belt-shifter Rod spring
- 2E1 — Belt-shifter Arm clamp screw
- 2E — Belt-shifter Arm (front)
- 6E — Belt-shifter Rod
- 36E34 — Main Stand bolt (1-2″x3 1-2″)
- 36E35 — Main Stand bolt nut for 36E34 (not shown)
- 80E — Worm Shaft
- 36E36 — Main Stand bolt (7-16″x3 1-2″)
- 36E38 — Main Stand bolt nut (for 36E36 and 36E37) (4) (not shown)
- a33H — Pump Rocker Arm
- 68E — Pump-cam-lever Connecting Rod
- 68E4 — Pump-cam-lever Connecting Rod eye lock nut
- 68E2 — Pump-cam-lever Connecting Rod eye lock nut (L. H.) (not sh.)
- 68E3 — Pump-cam-lever Connecting Rod eye
- 33H1 — Pump Rocker Arm latch
- 49D1 — Pump-trip Tube collar
- 33H3 — Pump Rocker Arm latch pin cotter (2) and 68E6 (4)
- 33H2 — Pump Rocker Arm latch pin and 68E5 (2)
- 34H — Pump Operating Lever (engaged by Pump-rocker-arm Latch)
- 34H1 — Pump Operating Lever clamp bolt (not shown)
- 36E37 — Main Stand bolt (7-16″x2″) (3)
- 36E38 — Main Stand bolt nut (for 36E36 and 36E37) (4) (not shown)
- 33H7 — Pump Rocker Arm shaft
- 35H — Pump Trip (hand, complete)
- 17E — Door
- 17E3 — Door latch (not shown)
- 1E1 — Base hinge (for Door) (2)
- 17E1 — Door hinge pin (2) (not indicated)
- 17E2 — Door knob
- 80E3 — Worm Shaft key (for Worm) (not shown)
- 80E6 — Worm Shaft worm
- 20E1 — Gear Vernier screw (2)
- 20E — Gear Vernier
- 80E5 — Worm Shaft nut

PLATE H4

PLATE H5

Before ordering parts consult the Casting Machine Price List of Parts

Machines 5068 and following are equipped with the following parts:

Gas Pipe (from, ¼″ x 16⅛″ long)	b9H2
nipple (¼″ x ⅜″ long)	a9H11

Machines 5132 and following are equipped with the following parts:

Pipe Bracket	b16H
plug	a16H5

Machines 4519 to 4528 inclusive, 4573 and following are equipped with the following part:

Water Escape Valve (complete)	Xa42H

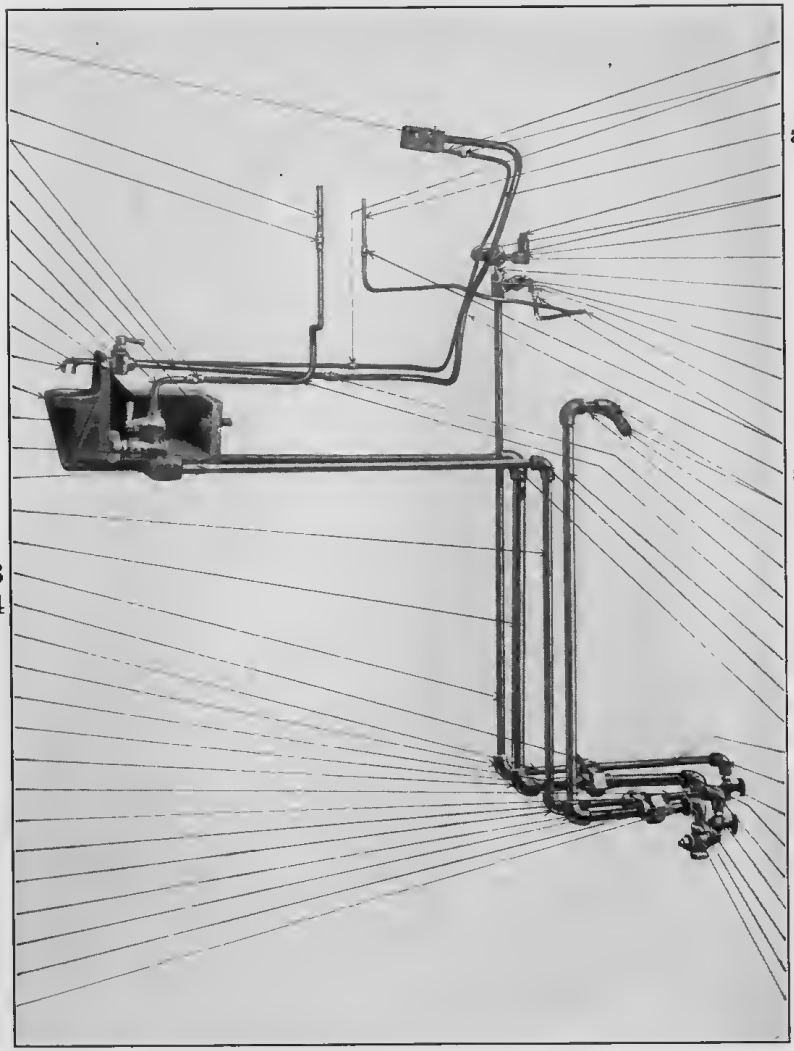
For all machines order:

Water Supply Valve (complete)	Xa48H

Machines 5068 and following are equipped with the following parts:

Gas-cock Operating Handle	56H1
extension	56H2
" bolt	56H3
" " nut	56H4
collar	56H5
" set screw	56H6

47H	Water-pipe Connection (side, on Main Stand)
47H1	Water-pipe Connection screw (not shown) (3)
45H	Water Pipe (copper, supply, 5-16″x 2 3-8″)
45H2	Water Pipe union (copper, 5-16″) (2)
a43H	Water Pipe (copper, drain from Main Stand, 5-16″x 9 1-2″)
a16H1	Pipe Bracket screw (large) (2)
a45H1	Water Pipe (copper, supply, 5-16″x3″)
42H	Water Escape Valve (complete)
a16H3	Pipe Bracket screw (small)
a43H3	Water Pipe (copper, drain from Main Stand, .190″x1 3-4″)
a44H3	Water Pipe (copper, drain from Mold, .190″x14 1-2″)
a16H	Pipe Bracket
48H	Water Supply Valve (complete)
a46H3	Water Pipe (iron, drain from Pipe Bracket, 3-8″x18″)
a45H7	Water Pipe (iron, supply, 1-8″x18″)
a45H6	Water Pipe (iron, supply, 1-8″x15 1-8″)
a46H2	Water Pipe (iron, drain from Pipe Bracket, 3-8″x14 1-2″)
a1H13	Air Pipe (iron, 1-8″x24″)
a1H14	Air Pipe union (iron, 1-8″)
a1H4	Air Pipe (iron, 1-8″x3 7-8″)
1H6	Air Pipe elbow (1-8″) (4)
a46H5	Water Pipe union (iron, 3-8″)
a46H	Water Pipe (iron, drain from Pipa Bracket, 3-8″x3 3-8″)
a46H4	Water Pipe elbow (iron, 3-8″) (3)
a45H5	Water Pipe (iron, supply, 1-8″x3 7-8″)
a45H9	Water Pipe union (iron, 1-8″)
a45H4	Water Pipe (iron, supply, 1-8″ x3 3-8″)
a45H8	Water Pipe elbow (1-8″) (3)
9H5	Gas Pipe elbow (1-4″) (4)
a9H1	Gas Pipe (iron, 1-4″x3 3-4″)
a9H8	Gas Pipe union (1-4″, iron)
9H	Gas Pipe (iron, 1-4″x1 3-8″) (2)



44H	Water Pipe (copper, drain from Mold, .190″x1 1-4″)
44H2	Water Pipe union (.190″) (2)
36E33	Main Stand air pipe (for air blast)
a44H1	Water Pipe (copper, drain from Mold, 190″x20 1-2″)
1H8	Air Pipe expansion elbow nut
1H6	Air Pipe elbow (1-8″) (4)
1H7	Air Pipe expansion elbow
1H3	Air Pipe (iron, 1-8″x2″)
1H2	Air Pipe (iron, 1-8″x1″) (2)
2H1	Air Cock (for air blast)
1H11	Air Pipe tee (1-8″)
a1H	Air Pipe (copper, .190″x1 1-2″)
a1H1	Air Pipe (copper, 190″x19″)
1H12	Air Pipe union (brass, 190″) (2)
a43H1	Water Pipe (copper, drain from Main Stand, 5-16″x18 7-8″)
9H5	Gas Pipe elbow (1-4″) (4)
9H7	Gas Pipe nipple (1-4″, brass, for Hose)
9H	Gas Pipe (iron, 1-4″x1 3-8″) (2)
43H2	Water Pipe union (5-16″) (2)
a45H3	Water Pipe (copper, supply, 5-16″x19 1-4″)
a9H2	Gas Pipe (iron, 1-4″x18 5-8″)
a45H8	Water Pipe elbow (1-8″) (3)
a46H4	Water Pipe elbow (iron, 3-8″) (3)
a1H5	Air Pipe (iron, 1-8″x8 1-8″)
1H6	Air Pipe elbow (1-8″) (4)
a2H	Air Cock (for air supply, 1-8″)
a46H4	Water Pipe elbow (iron, 3-8″) (3)
a45H8	Water Pipe elbow (1-8″) (3)
a52H	Water Supply Cock
a46H1	Water Pipe (iron, drain from Pipe Bracket, 3-8″x4 7-8″)
9H5	Gas Pipe elbow (1-4″) (4)
a7H	Gas Cock (1-4″x1-4″) (with close Nipple, for gas supply)

PLATE H5

PLATE 9CU1

Before ordering parts consult the Casting Machine Price List of Parts

Machines prior to 3338, having the Speed Regulating Attachment, were equipped with the following part:

BELT SHIFTER OPERATING BAR 97E1

Machines 4313 and following are equipped with the following parts:

SPEED BRACKET oil hole cover screw (4) a122E21
" pipe cover (2) a122E19

Machines 3480, 3566, 3594, 3596 and following are equipped with the following part:

SPEED INDEX PLATE a132E1

The following parts shown on these 9CU plates are parts of the standard composing machines as indicated:
Machines 3748 and following are equipped with the following parts:

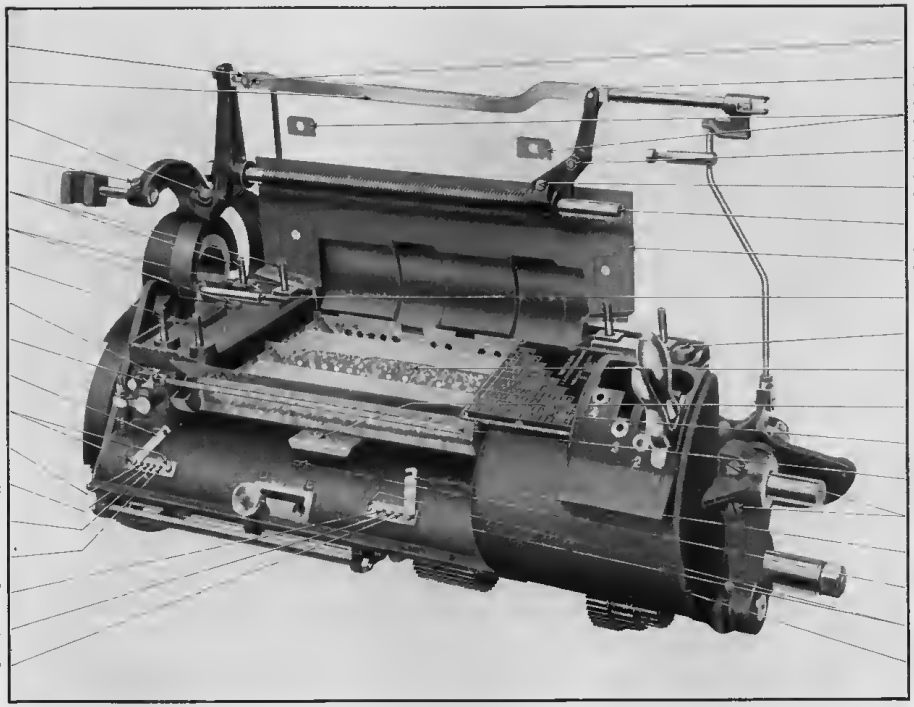
CAM-SHAFT-STAND PACKING PIECE (2) 168E1
OIL GUARD 113E1
OIL-PAN-SHELF-BRACKET BOLT (8) 116E1

Machines 3748 to 4492 inclusive were equipped with the following parts:

OIL PAN 114E1
OIL-PAN SHELF 115E1
bracket (rear) 115E3
" (front) 115E2
link (4) 115E6
" fulcrum pin (upper) (4) 115E7
" " stud (lower) (4) 115E9
" " " nut (4) 115E16

Machines 4493 and following are equipped with the following parts:

OIL PAN (complete) X114E
OIL-PAN SHELF a115E1
link (4) a115E6
" fulcrum pin (upper) (4) a115E7
" " " washer (4) a115E8
" " stud washer a115E11
handle a115E4
" rivet (4) a115E5
stop pin (2) a115E12



98E2	Belt-shifter-operating-bar Connecting Rod cotter (2)
a97E1	Belt Shifter Operating Bar
a3E7	Belt Shifter Ring arm clamp screw
3E1	Belt Shifter Ring arm set screw (for 4E)
116E1	Oil-pan-shelf-bracket Bolt (to a12E) (7)
130E2	Speed-bracket Screw (short) (to 115E2 and 115E3) (6)
130E1	Speed-bracket Screw (long, to a12E)
102E3	Clutch Control Operating Rod nut
102E2	Clutch Control Operating Rod connecting eye
122E20	Speed Bracket oil hole cover (2)
a122E21	Speed Bracket oil hole cover screw (4)
122E23	Speed Bracket oil pipe (to rear bearing for 125E1)
122E24	Speed Bracket oil pipe (to front bearing for 125E1)
122E25	Speed Bracket oil pipe (to rear bearing for 120E1)
122E26	Speed Bracket oil pipe (to rear bearing for 123E1)
122E27	Speed Bracket oil pipe (to middle bearing for 123E1)
122E28	Speed Bracket oil pipe (to front bearing for 120E1)
122E29	Speed Bracket oil pipe (to rear bearing for 124E1)

98E3	Belt-shifter-operating-bar Connecting Rod washer (3)
100E5	Belt-shifter-operating-bar Lever pin cotter (2)
168E1	Cam-shaft-stand Packing Piece (2)
100E7	Belt-shifter-operating-bar Lever stud nut
100E3	Belt-shifter-operating-bar Lever bracket clamp screw
a6E3	Belt Shifter Ring rod
113E1	Oil Guard
5E2	Belt Shifter Ring guide pin
130E2	Speed-bracket Screw (short) (to 115E3 and 115E2) (6)
114E1	Oil Pan
115E1	Oil-pan Shelf
132E1	Speed Index Plate
102E1	Clutch Control Operating Rod
122E34	Speed Bracket tumbler housing screw (4)
122E20	Speed Bracket oil hole cover (2)
122E22	Speed Bracket oil pipe (to 118E1)
122E21	Speed Bracket oil hole cover screw (4)
122E33	Speed Bracket tumbler housing

PLATE 9CU1

PLATE 9CU2

Before ordering parts consult the Casting Machine Price List of Parts

Machines prior to 3338, having the Speed Regulating Attachment, were equipped with the following part:

CLUTCH CONTROL SHAFT 101E1

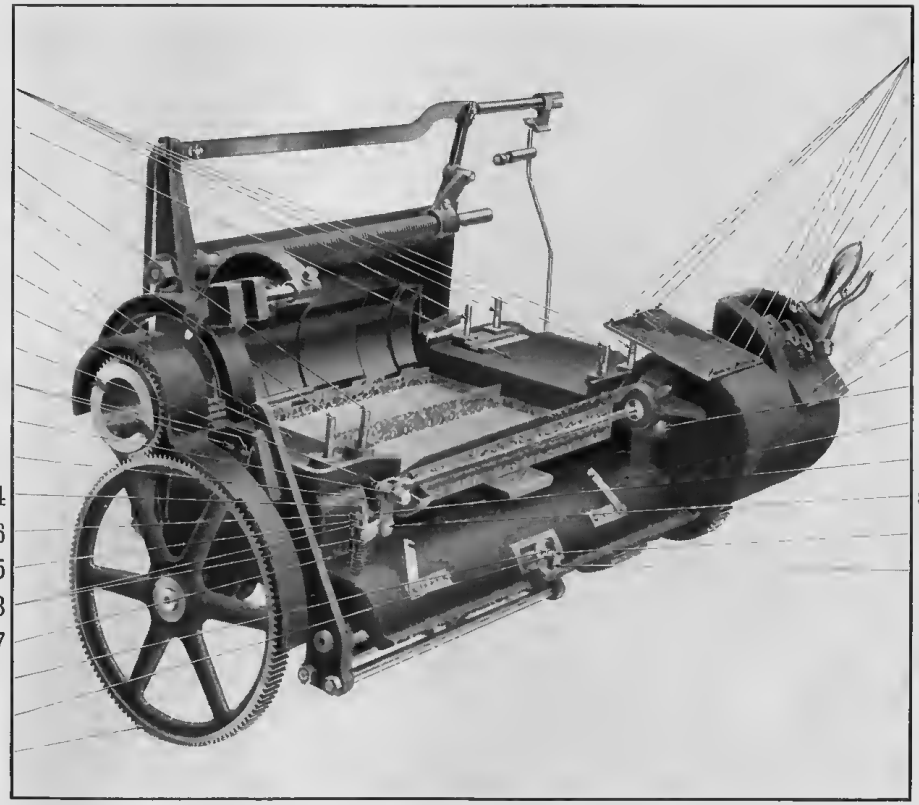
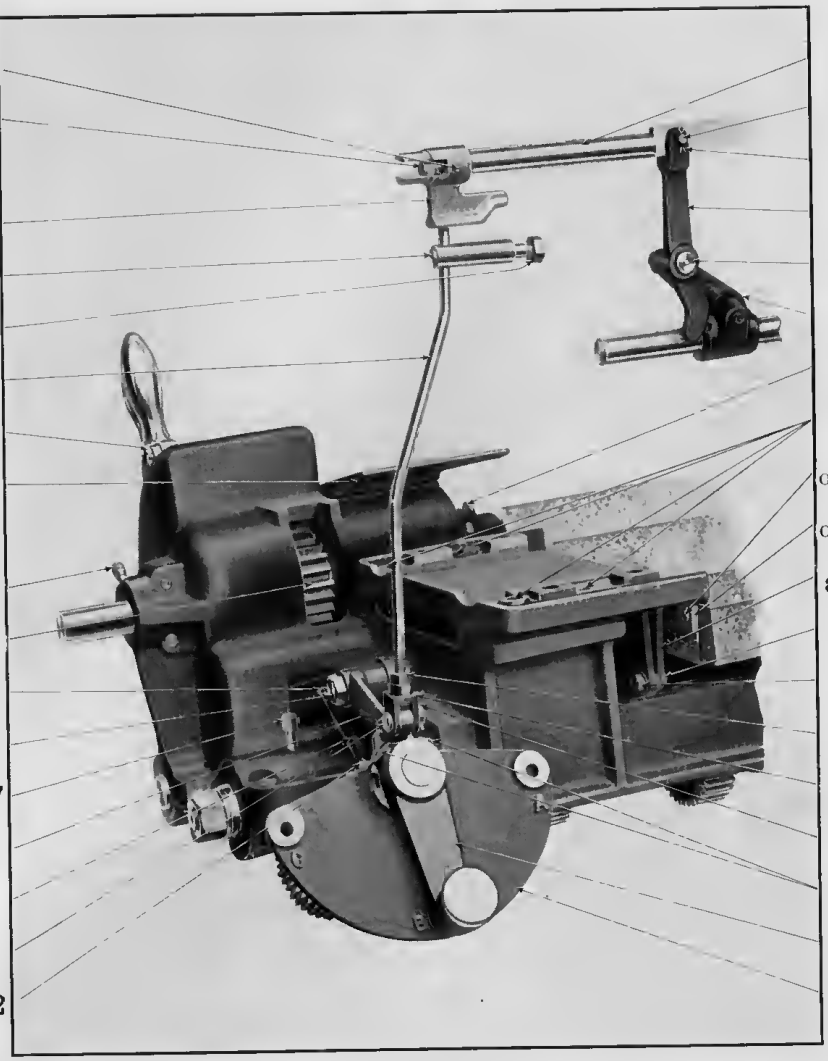


PLATE 9CU2

- a19E3 Gear Cover (front)
- 116E1 Oil-pan-shelf-bracket Bolt (to a12E) (7)
- 115E2 Oil-pan Shelf bracket (front)
- 116E1 Oil-pan-shelf-bracket Bolt (to a12E) (7)
- 130E1 Speed-bracket Screw (long, to a12E)
- 107E1 Gear Cover (rear)
- 121E1 Sliding-gear Safety Lever
- 115E3 Oil-pan Shelf bracket (rear)
- 103E2 Clutch-control-operating-rod-eye Pin spring
- 107E2 Gear Cover screw (2)
- 103E1 Clutch-control-operating-rod-eye Pin
- 101E2 Clutch-control Shaft bell crank
- 122E14 Speed Bracket guide post (for 101E2)
- 122E16 Speed Bracket guide post nut lock nut
- 122E15 Speed Bracket guide post nut
- 122E18 Speed Bracket guide post washer (2)
- 122E17 Speed Bracket guide post spring
- 119E6 Sliding-gear-shifter Yoke post washer
- 119E5 Sliding-gear-shifter Yoke post nut
- 125E3 Speed bracket Driving Shaft gear (large, rear)

- 132E4 Speed Index Plate screw (6)
- 133E6 Tumbler latch fulcrum pin cotter (2)
- 133E5 Tumbler latch fulcrum pin
- 133E1 Tumbler
- 133E7 Tumbler latch spring
- 133E4 Tumbler latch
- 133E8 Tumbler latch stop pin
- 122E36 Speed Bracket tumbler housing stop plate rivet (2)
- 122E35 Speed Bracket tumbler housing stop plate
- 122E34 Speed Bracket tumbler housing screw (4)
- 122E1 Speed Bracket
- 101E3 Clutch Control Shaft bell crank dowel
- a101E1 Clutch Control Shaft
- 119E4 Sliding-gear-shifter Yoke post
- 119E2 Sliding-gear-shifter Yoke handle
- 119E3 Sliding-gear-shifter Yoke handle spring
- 133E9 Tumbler oil pipe (front)
- 133E10 Tumbler oil pipe (rear)
- 133E11 Tumbler oil pipe clamp
- 133E12 Tumbler oil pipe clamp screw



Operating-lever Spring Box cam dowel	37F2
Operating-lever Spring Box plunger	37F1
Operating-lever Spring Box spring	a37F6
Operating-lever Spring Box cam	a37F5
Interlocking-lever-operating-rod Guide	110E1
Interlocking-lever-opebating-rod Guide nut	110E2
Interlocking-lever Operating Rod	a109E1
Tumbler latch fulcrum pin cotter (2)	133E6
Speed Index Plate bracket	132E2
Speed Index Plate bracket pin (2)	132E3
Speed Bracket winkley oiler (5)	122E37
Tumbler pinion	133E13
Interlocking Lever spring pin	108E2
Interlocking-lever Fulcrum Stud	112E1
Speed Bracket winkley oiler (5)	122E37
Interlocking Lever	108E1
Interlocking-lever Spring	111E1
Interlocking-lever Operating Rod connecting eye pin	a109E3
Speed Bracket spring post (for 111E1)	122E32

a37F4	Operating-lever Spring Box
100E4	Belt-shifter-operating-bar Lever pin
100E5	Belt-shifter-operating-bar Lever pin cotter (2)
100E1	Belt-shifter-operating-bar Lever
100E6	Belt-shifter-operating-bar Lever stud
100E2	Belt-shifter-operating-bar Lever bracket
122E37	Speed Bracket winkley oiler (5)
130E2	Speed-bracket Screw (short) (to 115E3 and 115E2) (6)
Obsolete	
Obsolete	
a115E6	Oil-pan Shelf link (4)
115E9	Oil-pan Shelf link fulcrum stud (lower) (4)
115E10	Oil-pan Shelf link fulcrum stud nut (4)
109E5	Interlocking-lever Operating Rod lock nut
a109E2	Interlocking-lever Operating Rod connecting eye
109E4	Interlocking-lever Operating Rod connecting eye pin cotter
129E7	Speed-bracket-quadrant Shaft lever set screw (2)
129E3	Speed-bracket-quadrant Shaft lever
126E1	Speed-bracket Quadrant

PLATE 9CU3

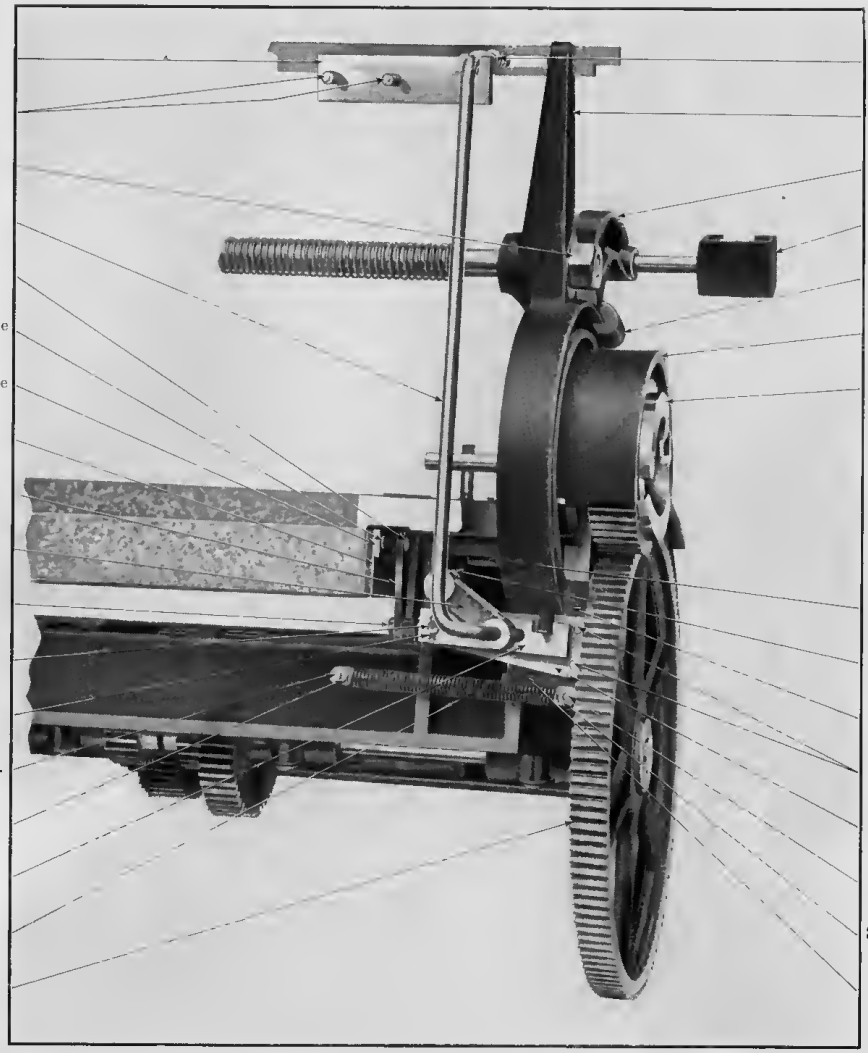
PLATE 9CU4

Before ordering parts consult the Casting Machine Price List of Parts

Machines prior to 3338, having the Speed Regulating Attachment, were equipped with the following parts:

Belt-shifter-operating-bar Connecting Rod (to 105E7).	98E1
Belt Shifter Ring	a5E3
Clutch Control Shaft lever	101E4
Clutch Shifter plate lever (for engaging a5E3)	105E7

And omitted 99E1 and 99E2.



99E1 Belt-shifter-operating-bar-connecting-rod Guide

99E2 Belt-shifter-operating-bar-connecting-rod Guide screw (2)

a6E4 Belt Shifter Ring rod nut

a98E1 Belt-shifter-operating-bar Connecting Rod (to a105E7)

a115E7 Oil-pan Shelf link fulcrum pin (upper) (4)

Obsolete

Obsolete

a115E1 Oil-pan Shelf

a115E6 Oil-pan Shelf link (4)

a101E4 Clutch Control Shaft lever

115E9 Oil-pan Shelf link fulcrum stud (lower) (4)

105E5 Clutch Shifter plate fulcrum pin (for a105E7)

105E6 Clutch Shifter plate fulcrum pin cotter

122E31 Speed Bracket spring post (for 106E1)

a106E2 Clutch shifter Spring eye (2)

a105E7 Clutch Shifter plate lever (for engaging b5E3)

106E1 Clutch-shifter Spring

125E3 Speed-bracket Driving Shaft gear (large, rear)

98E3 Belt-shifter-operating-bar Connecting Rod washer (3)

b5E3 Belt Shifter Ring

a3E5 Belt Shifter Ring arm

4E Belt Shifter Eye

a3E6 Belt Shifter Ring arm clamp

107E1 Gear Cover (rear)

104E1 Clutch Gear

a65E2 Pulley (loose)

a65E3 Pulley pin (for 104E1)

a65E1 Pulley screw (for oil hole)

105E2 Clutch Shifter guide rod (long)

101E5 Clutch Control Shaft lever dowel

105E1 Clutch Shifter

105E8 Clutch Shifter plate rivet (2)

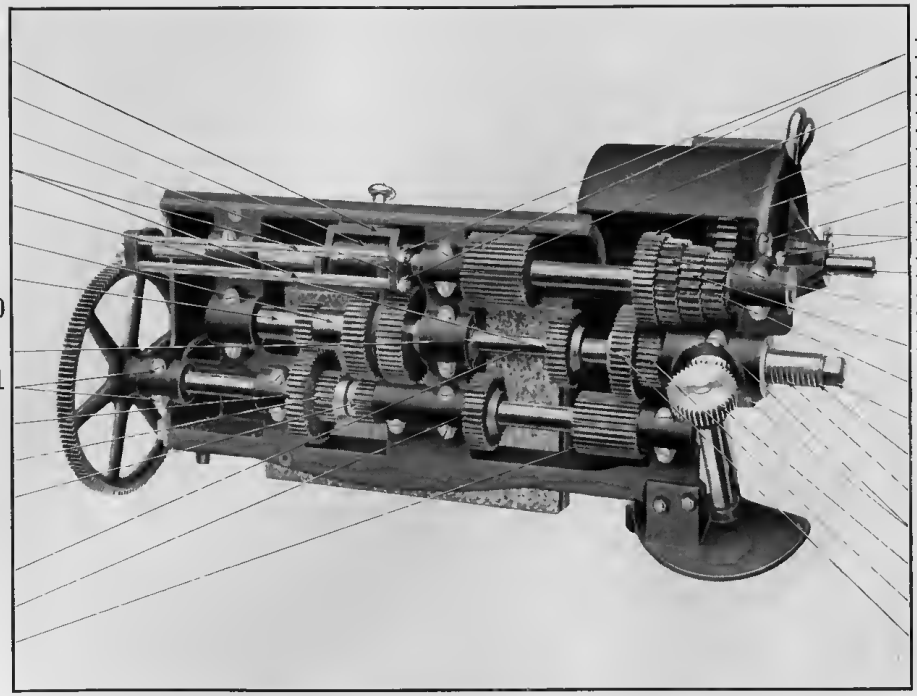
105E4 Clutch Shifter plate

105E9 Clutch Shifter spring pin

a106E2 Clutch-shifter Spring eye (2)

105E3 Clutch Shifter guide rod (short)

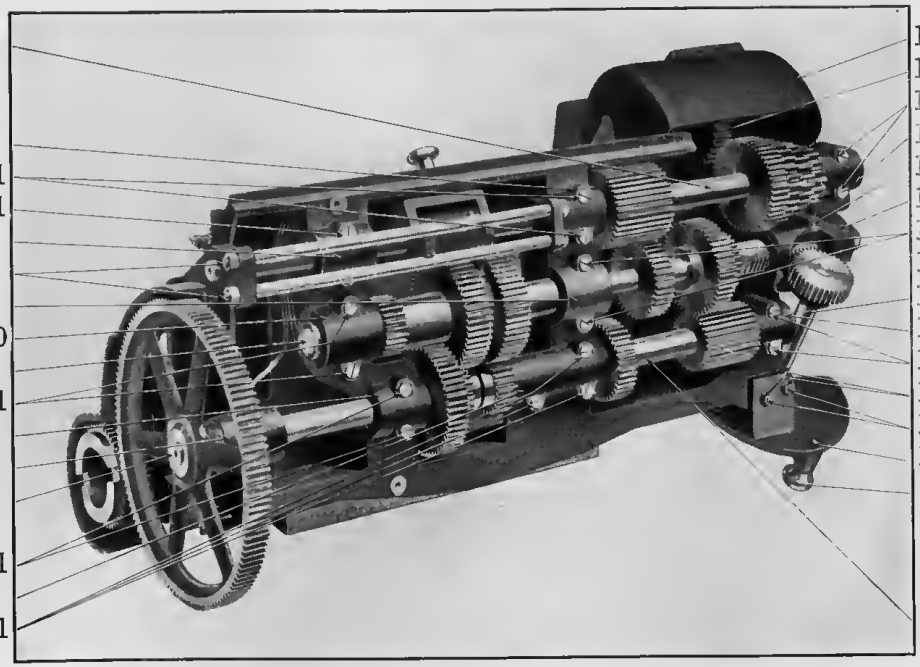
PLATE 9CU4



119E1	Sliding-gear-shifter Yoke
118E1	Sliding-gear Shifter
121E3	Sliding-gear Safety Lever rod hanger
121E2	Sliding-gear Safety Lever rod (2)
131E3	Speed-bracket Sliding Shaft gear (medium, rear)
117E1	Sliding Gear
120E1	Sliding-gear Hollow Shaft
122E30	Speed Bracket pin (to 120E1 and 120E2)
120E2	Sliding-gear Hollow Shaft bushing
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl) (19)
125E2	Speed-bracket Driving Shaft gear (medium, middle)
125E5	Speed-bracket Driving Shaft pinion (small, front)
124E6	Speed-bracket Driving Shaft pinion (small, rear)
131E4	Speed-bracket Sliding Shaft key (3)
131E1	Speed-bracket Sliding Shaft
124E2	Speed-bracket Driving Shaft gear (large, middle)
124E5	Speed-bracket Driving Shaft pinion (long, front)

121E4	Sliding-gear Safety Lever rod nut (4)
123E8	Speed-bracket Cone Shaft pinion (long)
123E5	Speed-bracket Cone Shaft gear (large)
133E2	Tumbler idler
133E3	Tumbler idler shaft
122E37	Speed Bracket winkley oiler (5)
133E14	Tumbler pinion shaft (also fulcrum for 133E1)
123E4	Speed-bracket Cone Shaft cone gear (large)
123E3	Speed-bracket Cone Shaft cone gear (medium)
123E2	Speed-bracket Cone Shaft cone gear (small)
131E5	Speed-bracket Sliding Shaft nut
131E8	Speed-bracket Sliding Shaft washer
131E7	Speed-bracket Sliding Shaft rack
122E13	Speed Bracket cap screw (for 122E12) (3)
129E8	Speed-bracket-quadrant Shaft pinion
131E6	Speed-bracket Sliding Shaft pinion (small, front)
131E2	Speed-bracket Sliding Shaft gear (large, middle)

PLATE 9CU5



123E1	Speed-bracket Cone Shaft
123E6	Speed-bracket Cone Shaft key (long for 123E2 to 123E5 incl)
123E7	Speed-bracket Cone Shaft key (short) (for 123E8)
122E3	Speed Bracket cap (center for 123E1)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl.) (19)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl.) (19)
122E4	Speed Bracket cap (rear for 123E1)
121E4	Sliding-gear Safety Lever rod nut (4)
122E9	Speed Bracket cap (front for 120E1)
122E10	Speed Bracket cap (for rear 120E1)
120E3	Sliding-gear Hollow Shaft plug (wood)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl) (19)
122E7	Speed Bracket cap (front for 125E1)
122E8	Speed Bracket cap (rear for 125E1)
125E1	Speed-bracket Driving Shaft (rear)
125E4	Speed bracket Driving Shaft key (3)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl) (19)
122E6	Speed Bracket cap (rear for 124E1)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl.) (19)

122E33	Speed Bracket tumbler housing
133E2	Tumbler idler
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl) (19)
122E2	Speed Bracket cap (front for 123E1)
122E13	Speed Bracket cap screw (for 122E12) (3)
122E12	Speed Bracket cap (for 131E7)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl.) (19)
129E2	Speed-bracket-quadrant Shaft key
129E1	Speed-bracket-quadrant Shaft
122E5	Speed Bracket cap (front for 124E1)
122E11	Speed Bracket cap screw (for 122E2 to 122E10 incl) (19)
128E1	Speed-bracket-quadrant-bolt Nut (2)
127E1	Speed-bracket-quadrant Bolt (2)
129E5	Speed-bracket-quadrant Shaft lever handle pin
129E4	Speed-bracket-quadrant Shaft lever handle
129E6	Speed-bracket-quadrant Shaft lever handle spring
124E4	Speed-bracket Driving Shaft key (for 124E6)
124E3	Speed-bracket Driving Shaft key (for 124E2 and 124E5) (2)
124E1	Speed-bracket Driving Shaft (front)

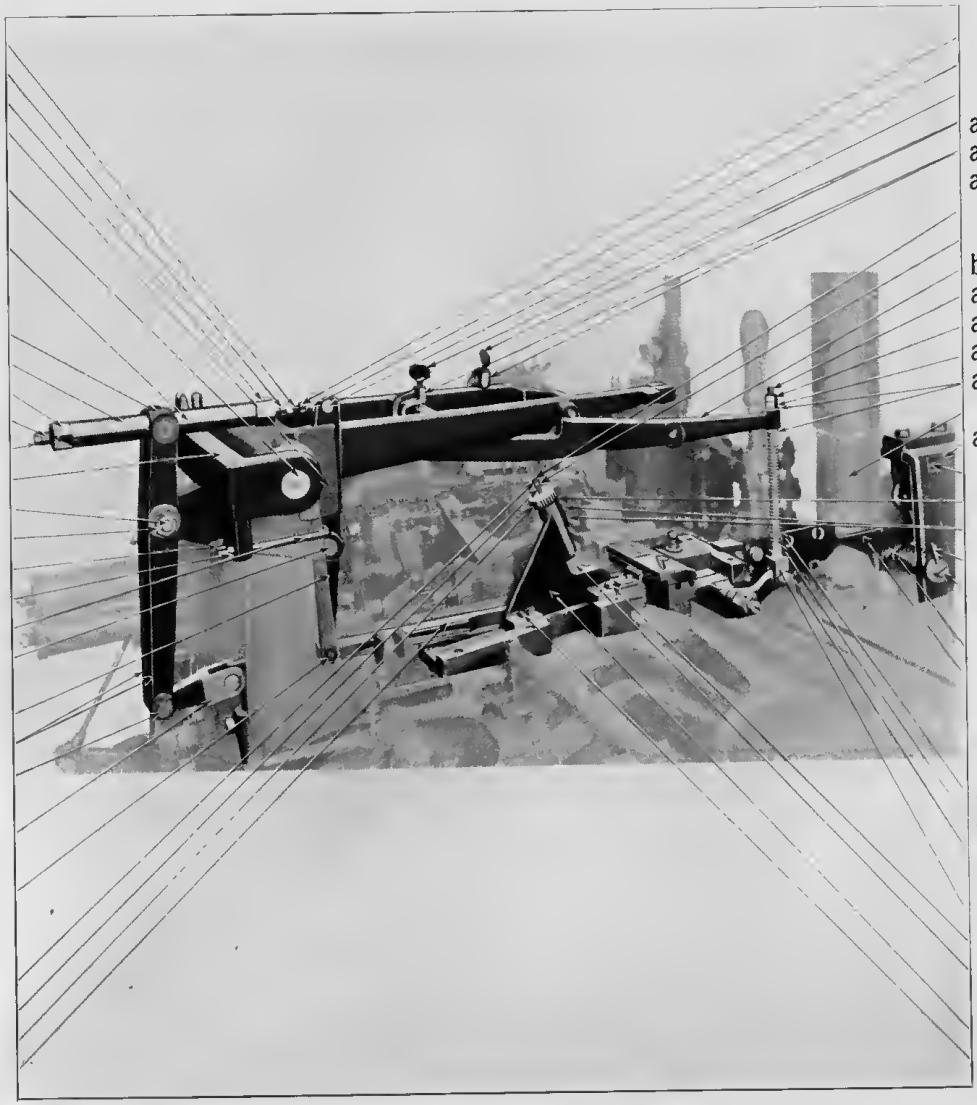
PLATE 9CU6

PLATE 11CU1

Before ordering parts consult the Casting Machine Price List of Parts

Lead-and-Rule Mold Operating Attachments shipped after March, 1923 were equipped with the following parts:

Clamping-screw Connecting Rod	a135E1
" spring	b135E7
" adjusting nut	a135E16
" lock nut	a135E17



141E6 Spring Box rod
141E7 Spring Box rod adjusting nut (2)
141E2 Spring Box cap (2)
137E1 Guard (on 136E1)
137E2 Guard screw (2)
a15E1 Centering-pin-cam-lever Shaft
136E5 Auxiliary Bracket pin
141E1 Spring Box
141E4 Spring Box spring
141E5 Spring Box spring abutment (2)
141E10 Spring Box trunnion
141E3 Spring Box sleeve
141E2 Spring Box cap (2)
141E7 Spring Box rod adjusting nut (2)
141E8 Spring Box rod adjusting nut lock nut (2)
136E1 Auxiliary Bracket
143E1 Spring-box-lever Fulcrum Pin
143E2 Spring-box-lever Fulcrum Pin nut (2)
136E2 Auxiliary Bracket adjusting screw
136E4 Auxiliary Bracket clamp bolt nut (2)
136E3 Auxiliary Bracket clamp bolt
139E1 Operating-bar-lever Fulcrum Pin
139E2 Operating-bar-lever Fulcrum Pin cotter
138E1 Operating-bar Lever (2)
142E1 Spring-box Lever (2)
145E1 Spring-box-lever-link Pin
145E2 Spring-box-lever-link Pin cotter
144E1 Spring-box-lever Link
138E5 Operating-bar Lever bolt
138E6 Operating-bar Lever bolt nut
138E7 Operating-bar Lever bolt sleeve
138E8 Operating-bar Lever bolt washer
51B7 Mold-blade Micrometer Wedge rod nut lock nut
51B8 Mold-blade Micrometer Wedge rod spring
51B2 Mold-blade Micrometer Wedge adjusting screw
53B1 Mold-blade Operating Bar

141E9 Spring Box rod lock nut
138E3 Operating-bar Lever connecting eye
138E4 Operating-bar Lever connecting eye pin
a134E15 Centering-pin-lever Bracket clamp thumb screw (2)
a134E13 Centering-pin-lever Bracket clamp (2)
a134E14 Centering-pin-lever Bracket clamp pin (2)
51B5 Mold-blade Micrometer Wedge rod
51B6 Mold-blade Micrometer Wedge rod nut
b134E1 Centering-pin-lever Bracket
a135E1 Clamping-screw Connecting Rod
a135E14 Clamping-screw Connecting Rod nut lock nut
a135E13 Clamping-screw Connecting Rod nut
a135E15 Clamping-screw Connecting Rod washer (2)
a13H1 Melting-pot Chimney extension
a105F3 Patent Plate
105F2 Patent Plate screw (2)
51B3 Mold-blade Micrometer Wedge adjusting screw spring
51B4 Mold-blade Micrometer Wedge adjusting screw spring screw (2)
80F3 Guide Roller eccentric shaft handle
80F2 Guide Roller eccentric shaft
80F4 Guide Roller eccentric shaft cotter
80F1 Guide Roller (for strips)
79F1 Guide Plate (front)
79F2 Guide Plate (rear)
79F3 Guide Plate rivet (4)
79F4 Guide Plate separator (4)
a135E7 Clamping-screw Connecting Rod spring
a135E10 Clamping-screw Connecting Rod eye lock nut
a135E11 Clamping-screw Connecting Rod eye pin
a135E12 Clamping-screw Connecting Rod eye pin spring
a135E9 Clamping-screw Connecting Rod eye
52B1 Mold-blade-micrometer-wedge-stand Screw (2)
51B1 Mold-blade Micrometer Wedge
51B9 Mold-blade Micrometer Wedge spring
51B10 Mold-blade Micrometer Wedge stand
52B1 Mold-blade-micrometer-wedge-stand Screw (2)

PLATE 11CU1

PLATE 12CU1

Before ordering parts consult the Casting Machine Price List of Parts

Automatic Cutters shipped after September 1923 are equipped with the following part:

GALLEY LEDGE a78F5

Automatic Cutters shipped after May 1924 are equipped with the following part:

SHEAR BLADE a83F2

And omit 83F1.

Automatic Cutters shipped after August 1923 are equipped with the following parts:

SHEAR GAGE adjusting nut (outside) a88F5

" " sleeve (inside) a88F6

SHEAR-GAGE SPRING a89F1

Automatic Cutters shipped after April 1924 are equipped with the following part:

TRANSFER BAR (rear) a96F1

Automatic Cutters shipped after April 1924 are equipped with the following part:

TRANSFER BAR (front) a97F1

And omit 97F2 and 97F3.

Automatic Cutters shipped after March 1924 are equipped with the following parts:

TRANSFER-BAR OPERATING LEVER a101F1

extension a101F2

" rivet a101F3

adjusting screw a101F4

" " nut a101F5

bearing a101F6

Automatic Cutters shipped after February 1924 are equipped with the following parts:

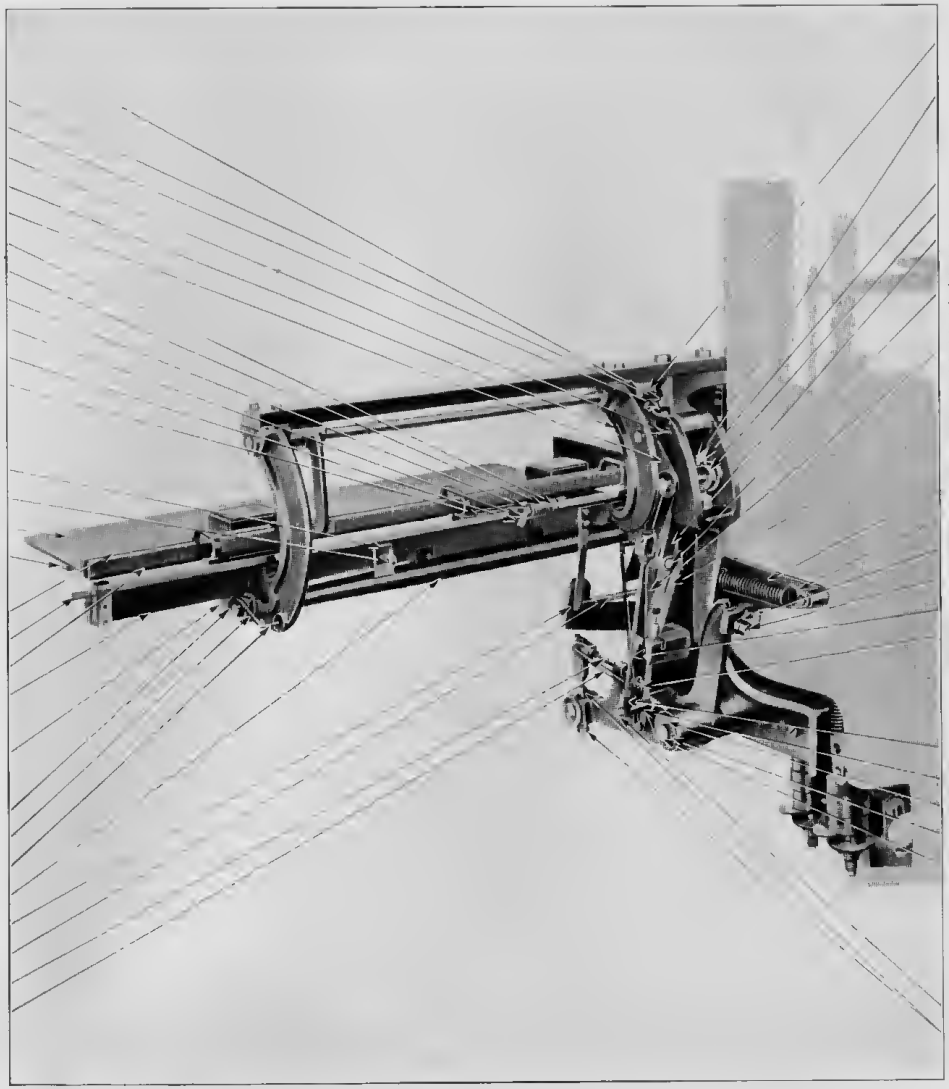
FRICTION PLATE 175F1

screw 175F2

" washer 175F3

Automatic Cutters shipped after January 1924 are equipped with the following part:

STACKER GUARD 176F1



96F2 Transfer Bar hanger (left)
96F3 Transfer Bar hanger spring pin
102F1 Transfer-bar-operating-lever Adjusting Screw (in 119F1)
102F2 Transfer-bar-operating-lever Adjusting Screw nut
95F3 Supporting-beam Bracket spring pin
95F1 Supporting-beam Bracket (left)
101F1 Transfer-bar Operating Lever
88F3 Shear Gage lug latch
89F1 Shear-gage Spring
86F2 Shear-blade-shoe-tube Clamp screw
a86F1 Shear-blade-shoe tube Clamp (upper)
a86F3 Shear-blade-shoe-tube Clamp (lower)
88F1 Shear Gage
88F2 Shear Gage lug
88F4 Shear Gage lug pin
a77F3 Channel Bar support (for long strips)
a77F4 Channel Bar support screw
78F1 Galley
78F2 Galley support bar (2)
78F3 Galley support bar rivet (5)
97F1 Transfer Bar (front)
85F3 Shear-blade Shoe tube
96F1 Transfer Bar (rear)
a77F1 Channel Bar (for leads and rules)
77F2 Channel Bar screw (2)
90F2 Stacker Plate support (right)
90F3 Stacker Plate support rivet (2)
90F5 Stacker Plate support spring pin
90F4 Stacker Plate spring
94F3 Supporting-beam Bracket spring pin
91F1 Stacker Rock Shaft
117F2 Shear-trip-lever Spring plate (2)
117F1 Shear-trip-lever Spring
129F1 Thrust-bar Operating Rod
126F1 Thrust-bar-bell-crank Spring (short)
126F2 Thrust-bar-bell-crank Spring plate (2)

97F4 Transfer Bar hanger (left)
97F5 Transfer Bar hanger spring pin
85F1 Shear-blade Shoe
85F2 Shear-blade Shoe screw (4)
85F4 Shear-blade Shoe tube dowel
84F1 Shear-blade Guide
83F1 Shear Blade
116F1 Shear Trip Lever
116F2 Shear Trip Lever spring pin
128F5 Thrust-bar Latch fulcrum pin
128F6 Thrust-bar Latch fulcrum pin nut
128F3 Thrust-bar Latch (right)
128F4 Thrust-bar Latch spring pin
128F7 Thrust-bar Latch spring
128F1 Thrust-bar Latch (left)
128F2 Thrust-bar Latch spring pin
120F1 Shear-yoke Spring
120F2 Shear-yoke Spring plate (2)
109F2 Shear-bell-crank Adjusting Screw nut
109F1 Shear-bell-crank Adjusting Screw (in a81F1)
121F1 Stacker-rock-shaft Connecting Rod
123F1 Thrust-bar Bell Crank
123F4 Thrust-bar-bell Crank spring pin
124F1 Thrust-bar-bell-crank Fulcrum Pin
124F2 Thrust-bar-bell-crank Fulcrum Pin nut
121F2 Stacker-rock-shaft Connecting Rod eye (lower)
108F3 Shear Bell Crank post (for 121F2)
81F7 Main Bracket fulcrum pin washer
81F6 Main Bracket fulcrum pin cotter
81F5 Main Bracket fulcrum pin (for 108F1)
148E1 Shear Cam
148E2 Shear Cam screw (3)
148E3 Shear Cam screw nut (3)
76F1 Box (for short leads)
108F4 Shear Bell Crank post nut
122F3 Thrust Bar nut (2)

PLATE 12CU1

PLATE 12CU2

Before ordering parts consult the Casting Machine Price List of Parts

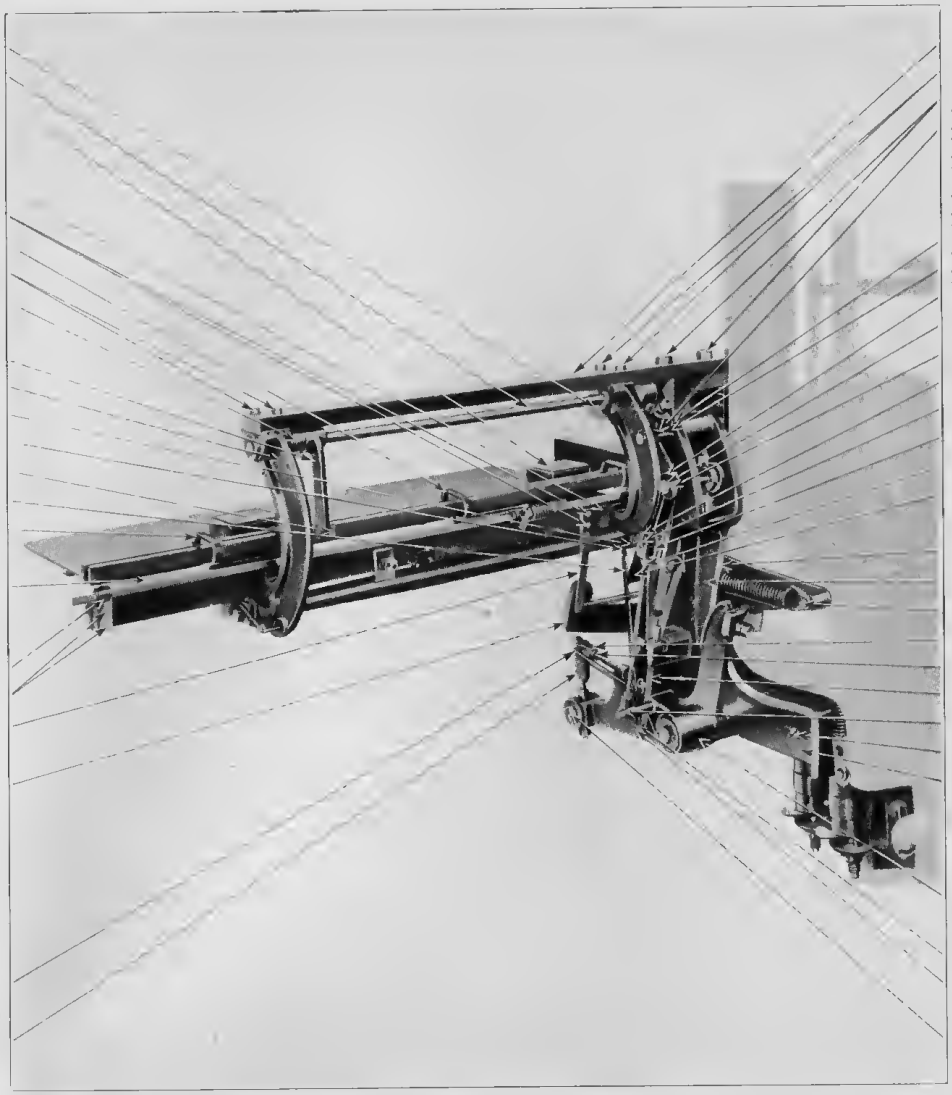
Automatic Cutters shipped after April 1924 are not equipped with the following parts:

TRANSFER BAR pusher (3)	97F2
screw (6)	97F3

Automatic Cutters shipped after Feburary 1924 are equipped with the following part:

TRANSFER-BAR-HANGER SPRING (long)	a103F1

And omit 103F2.



- 100F2 Transfer-bar-hanger Rod cotter (2)
- 100F1 Transfer-bar-hanger Rod
- 92F1 Stacker-support Block (2)
- 92F2 Stacker-support Block shoe leather (2)
- 92F3 Stacker-support Block shoe screw (8)
- 118F4 Shear-trip-lever Spring Bar plate (stop for 91F1)
- 118F3 Shear-trip-lever Spring Bar screw (2)
- 97F2 Transfer Bar pusher (for 97F1)
- 94F2 Supporting-beam Bracket bolt (2) (for right Bracket)
- 97F6 Transfer Bar hanger (right) (for 97F1)
- 97F7 Transfer Bar hanger screw (4)
- 96F4 Transfer Bar hanger (right) (for 96F1)
- 94F1 Supporting-beam Bracket (right)
- 81F4 Main Bracket spring post (for 127F1)
- 127F2 Thrust-bar-bell-crank Spring plate (for 127F1)
- 96F5 Transfer Bar hanger screw (4)
- 127F1 Thrust-bar-bell-crank Spring (long)
- 97F2 Transfer Bar pusher (3)
- 97F3 Transfer Bar pusher screw (6)
- 90F1 Stacker Plate
- 90F6 Stacker Plate support (left)
- 90F7 Stacker Plate support rivet (2)
- 87F1 Shear-blade-shoe-tube Guide
- 87F2 Shear-blade-shoe-tube Guide screw (2)
- 118F1 Shear-trip-lever Spring Bar
- 118F2 Shear-trip-lever Spring Bar pin
- 110F1 Shear-cam Lever
- 110F2 Shear-cam Lever spring pin
- 110F3 Shear-cam Lever roller
- 110F4 Shear-cam Lever roller pin
- a114F1 Shear-cam-lever Spring
- a114F2 Shear-cam-lever Spring plate (2)
- a17F8 Galley-pan Shelf spring pin (for Spring a114F1)
- 129F4 Thrust-bar Operating Rod eye pin
- 129F5 Thrust-bar Operating Rod eye pin cotter
- 122F1 Thrust Bar

- 93F1 Supporting Beam
- 95F2 Supporting-beam Bracket bolt (2)
- 93F2 Supporting Beam bolt (2)
- 103F1 Transfer-bar-hanger Spring (long)
- 103F2 Transfer-bar-hanger Spring plate (2)
- 104F1 Transfer-bar-hanger Spring (short)
- 104F2 Transfer-bar-hanger Spring plate (2)
- 119F3 Shear Yoke fulcrum pin cotter (2)
- 119F2 Shear Yoke fulcrum pin
- 115F3 Shear Operating Pin washer
- 115F1 Shear Operating Pin
- 115F2 Shear Operating Pin cotter (2)
- 121F5 Stacker-rock-shaft Connecting Rod eye pin cotter (2)
- 121F4 Stacker-rock-shaft Connecting Rod eye pin
- 121F3 Stacker-rock-shaft Connecting Rod eye (upper)
- 121F6 Stacker-rock-shaft Connecting Rod nut (2)
- 107F1 Main-bracket Shield
- 107F2 Main-bracket Shield screw (2)
- 119F1 Shear Yoke
- 119F4 Shear Yoke spring pin
- 81F3 Main Bracket spring post (for 120F1)
- 129F2 Thrust-bar Operating Rod eye
- 129F3 Thrust-bar Operating Rod eye lock nut
- 125F1 Thrust-bar-bell Crank Operating Bar
- 108F5 Shear-bell Crank post washer
- 106F1 Main-bracket Screw (2)
- a81F1 Main Bracket
- 82F1 Main-bracket Buffer (leather) (for Shear)
- 82F2 Main-bracket Buffer screw (2)
- 82F3 Main-bracket Buffer screw washer (2)
- 108F1 Shear Bell Crank
- 108F2 Shear Bell Crank pin (stop for 123F1)
- 127F2 Thrust-bar Bell-crank Spring plate (2)
- 123F2 Thrust-bar Bell Crank pin
- 123F3 Thrust-bar Bell-Crank pin Cotter
- 122F2 Thrust Bar fulcrum pin

PLATE 12CU2